SHARP

SERVICE MANUAL

230-90433926

LCD COLOUR TELEVISION (Display)

MODEL **LC26GD7E**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SHARP CORPORATION

Note on electrostatic shielding

1. Electrostatically shielded MOS workstations

Components sensitive to electrostatic discharge must be handled at workstation with electrostatic shielding. An electrostatically shielded MOS workstation is fitted with discharge resistor which earth all conductive materials, including the technician working there. Dielectrics are discharged by air ionisation. The use of soldering irons and measuring equipment at shielded workstation is only possible in conjunction with isolating transformer in each of the devices used. Measuring equipment chassis are also earthed with discharge resistors.

2. Shielded packaging using conductive materials

To protect against electrostatic charges, electrically conductive plastics are used for packaging and transport purposes. Conductive plastics are available in the form of transparent protective bags, foam plastic, film sheeting or containers. Sensitive components requiring the use of protective packaging must only be packed and unpacked at shielded workstations.

Safety warnings/regulations

1. The repair, modification and testing of mains-operated electronic devices and their accessories must only be performed by qualified persons.

2. It is necessary to follow the regulations and safety warnings to VDE 0701, part 200, as well as the regulations and safety warnings applicable in the country concerned.

3. VDE 0701, Part 2, contains regulations on the repair, modification and testing of mains-operated electronic devices and their accessories.

4. Before delivery, the device and the connecting leads (including any protective earth conductor fitted) must undergo visual inspection, and the insulation resistance and the equivalent leakage current must be measured according to VDE 0701, part 200. The low-resistance continuity of the protective earth conductor must be verified by measurement to VDE regulation 0701, part 1.

5. The regulations of the country concerned must also be observed.

6. Only genuine parts must be used for replacing components marked with the symbol ⚠ .

Precautions for using lead-free solder

1. Employing lead-free solder

„LCD CONT PWB“,“TMDS RX PWB“,“KEY PWB“,“R/C LED PWB“,“MOTOR PWB“,“INV PWB“,“POWER PWB“of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder. Example:

Indicates lead-free solder of tin, silver and copper.

2. Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40ºC, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or sodening bit, contact our service station or service ranch in your area.

3. Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettabillty, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be excoeded, remove the bit from the PWB as soon as you conurm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required. if a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Lead-free wire solder for servicing

Be careful when replacing parts with polarity indication on the PWB silk.

Part No.	★	Description	Code
ZHNDAi123250E	J	ϕ 0.3mm 250g(1roll)	BL
ZHNDAi126500E	J	ϕ 0.6mm 500g(1roll)	BK
ZHNDAi12801KE	J	ϕ 1.0mm 1kg(1roll)	BM

Rear panel removal

1. Place the set on a clean and soft base.
2. Open the screws (fig. 1 and 2).
3. Mount stand for serviceposition.

Fig. 1

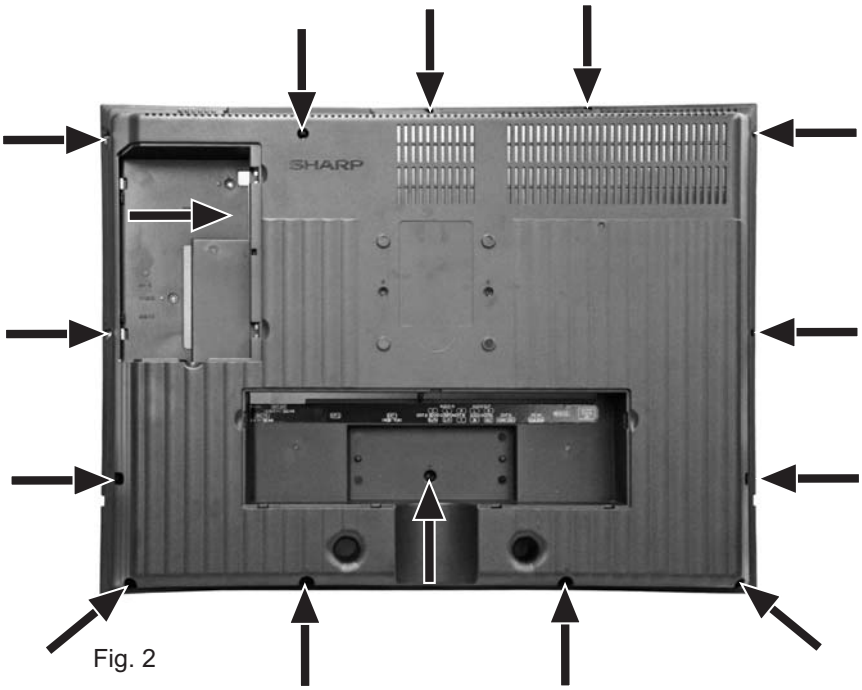
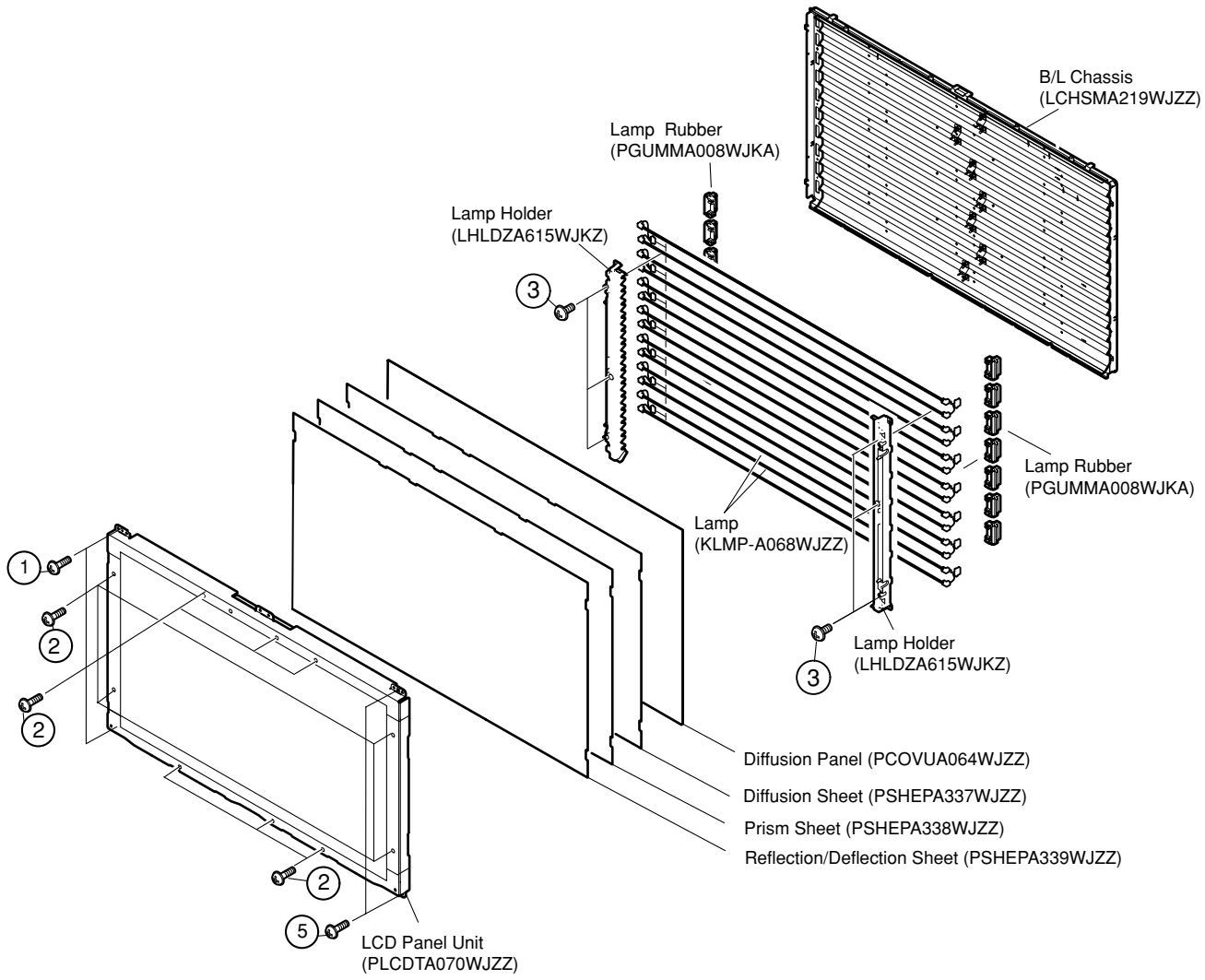


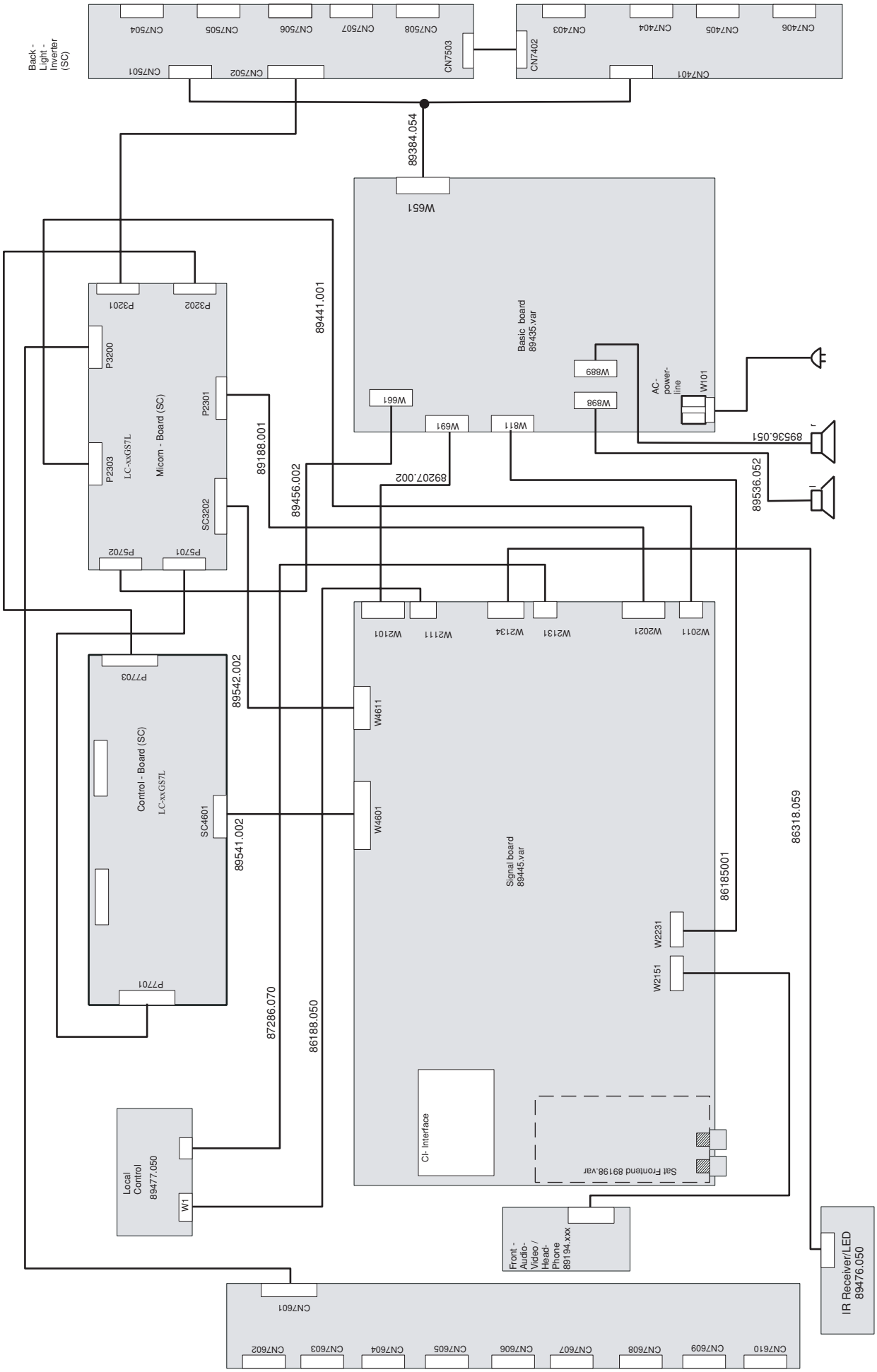
Fig. 2

REMOVING OF MAJOR PARTS

1. Remove the 4 lock screws ①, 10 lock screws ② from the LCD Panel Unit, and detach the LCD Panel Unit.
2. Detach the Reflection/Deflection Sheet, Prism Sheet, Diffusion Sheet, and Diffusion Panel.
3. Remove the 6 lock screws ③ from the Lamp Holder, and detach the Lamp Holder.



Wiring diagram L2650



Enter service mode

Pre-setup position: set is in TV mode

1. Press MENU button on top of the TV set to enter menu „direct control on tv set“ (fig. 1, pos. 1)

2. Press button „P ^“ until „service“ is shown in menu (fig. 1, pos. 2)

3. When service appears press the MENU button on the remote control within 1 sec (fig. 2, pos. 3).
Service menu appears.

4. Step with cursor buttons on remote control (fig. 2, pos. 4) through the service menu to change settings.

5. Each modification of any value has to be memorized with the „OK“ button on remote control (fig. 2, pos. 5).

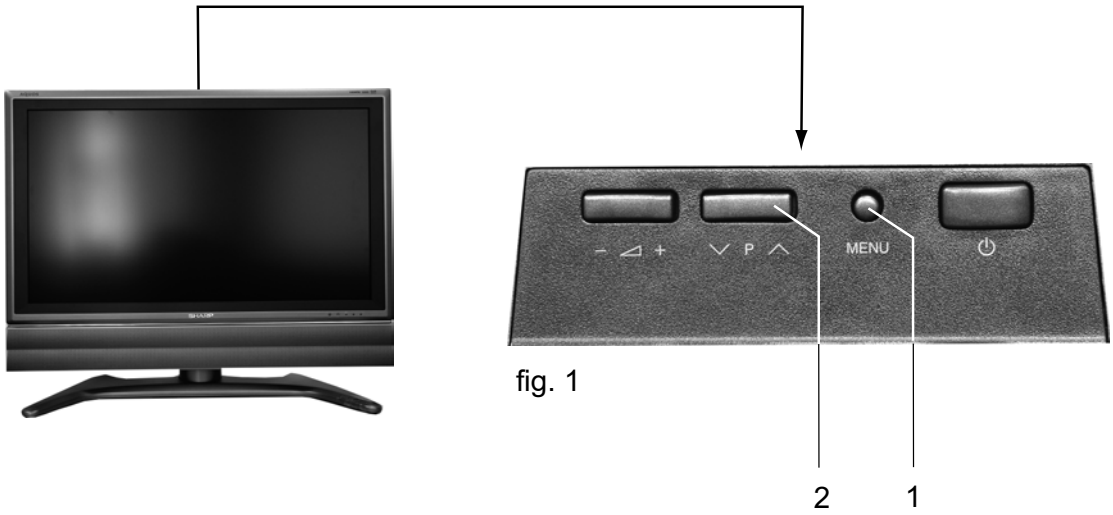


fig. 1

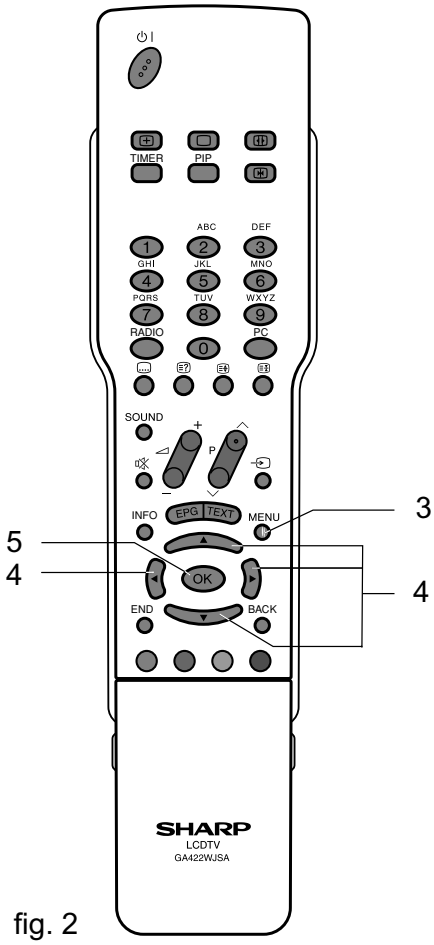


fig. 2

ADJUSTMENT PROCEDURES

The adjustment values are set to the optimum conditions at the factory before shipping. If a value should become improper or an adjustment is required due to part replacement, make an adjustment according to the following procedure.

1. Display adjustment procedure

1. Adjustment procedure

Enter the display process mode and then adjust COM BIAS.

Caution: Use due care in handling the infomation described here lest your users should know how to enter the adjustment process mode. If the settings are tampered in this mode, unrecoverable system damage may result.

2. Adjustment process mode key operation table

Key	Function 1 (when on the left side of a page)	Function 2 (when changing a numeric value)
Cursor UP	Moving up by one item or moving to the previous page (when at the top)	Incrementing the adjustment value by one or executing the item (in the case of W or R items)
Cursor DOWN	Moving down by one item or moving to the next page (when at the bottom)	Decrementing the adjustment value by one or executing the item (in the case of W or R items)
Cursor RIGHT	Moving to the right by one item or moving to another page (in the case of the initial page)	Moving to the right by one item
Cursor LEFT	Moving to the left by one item or moving to another page (in the case of the initial page)	Moving to the left by one item
OK	Test pattern off	Executing the item (in the case of W or R items)
INPUT mark of the R/C (caution required)	Moving to the next page	Moving to the next page
CH (∧)	Moving up by one item or moving to the previous page (when at the top)	Incrementing the adjustment value by one or executing the item (in the case of W or R items)
CH (∨)	Moving down by one item or moving to the next page (when at the bottom)	Decrementing the adjustment value by one or executing the item (in the case of W or R items)
VOL (+)	Moving to the right by one item or moving to another page (in the case of the initial page)	Moving to the right by one item
VOL (–)	Moving to the left by one item or moving to another page (in the case of the initial page)	Moving to the left by one item

3. COM BIAS adjustment

Shift to the [COM BIAS] item with the cursor UP/DOWN key and select a numeric value with the cursor RIGHT/LEFT key.

Changing the numeric value with the cursor UP/DOWN key will make appear the test pattern. Make an adjustment so that the flicker near the center of the screen is minimized.

4. Lamp error detection

4-1. Feature description

This liquid-crystal color TV incorporates a lamp error detection feature (lamp error detection) that automatically turns OFF the power for safety under abnormal lamp or lamp circuit conditions.
If anything is wrong with the lamp or lamp circuit or when the lamp error detection feature is activated for some reason, the following will result.

The power of TV main body is turned OFF about six seconds after it is turned ON. (The power LED on the front of the TV turns red from green and keeps blinking in red (ON for 250ms and OFF for 1sec).

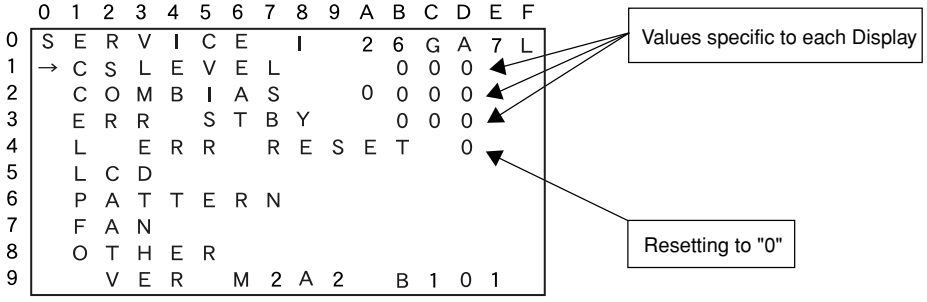
If occurs five times consecutively, it becomes impossible to turn ON the power. (The power LED keeps blinking in red (ON for 250ms and OFF for 1sec).

4-2. Measures

1) Checking with lamp error detection OFF
Refer to ÒEntering and exiting the adjustment process modeÓ on the section 10-2 to enter the display process mode.
If there is a problem with a lamp or a lamp circuit, the lamp will go out. (The power LED is green.)
Then, you can check the operation to see if the lamp and lamp circuit are abnormal.

2) Resetting the lamp error count
After you have finished checking whether the lamp and lamp circuit are abnormal, reset the lamp error count.
If a lamp error is detected five consecutive times, the power cannot be turned on.
Therefore, move to the [L ERR RESET] line, the 5th line on the first page of the "Display process mode" using the Cursor UP/DOWN key. Then, reset the [L ERR RESET] value using the Cursor RIGHT/LEFT key.
In this case, press the Cursor UP/DOWN key to reset it to "0".

Table of contents of adjustment process mode Page 0


0 1 2 3 4 5 6 7 8 9 A B C D E F
0 SERVICE 26GA7L
1 → CSLEVEL 000
2 COMBIAS 0000
3 ERR STBY 000
4 L ERR RR RESET 0
5 LCD
6 PATTERN
7 FAN
8 OTHER
9 VER M2A2 B101
Values specific to each Display
Resetting to "0"

After resetting to "0", perform an operational check to ensure that the lamp error detection feature is not activated.

5.List of process adjustment modes (Display)

(Examples)

Table of contents of adjustment process mode Page 0

```
   0 1 2 3 4 5 6 7 8 9 A B C D E F
0  S E R V I C E   I   2 6 G A 7 L
1  → C S L E V E L     0 0 0
2    C O M B I A S   0 0 0 0
3    E R R   S T B Y   0 0 0
4    L   E R R   R E S E T   0
5    L C D
6    P A T T E R N
7    F A N
8    O T H E R
9      V E R   M 2 A 2   B 1 0 1
```

LCD Page 1

```
   0 1 2 3 4 5 6 7 8 9 A B C D
0  L C D 1
1  → P W M C T R L           0
2    P W M F R E Q     0 0 0 0
3    P W M D U T Y     0 0 0 0
4    O S C F R E Q     0 0 0 0
5    O S C D U T Y     0 0 0 0
6    P M C G   M O D E       0
7    P M C G   S S C         0
8    D A T   D R V           0
9    C L K   D R V           0
```

LCD Page 2

```
   0 1 2 3 4 5 6 7 8 9 A B C D
0  L C D 2
1  → M O D E       6 0 H Z   0
2    Q S   S W               0
3    Q S   D 1       0 0 0
4    Q S   D 2       0 0 0
5    Q S   D 3       0 0 0
6    Q S   D 4       0 0 0
7    Q S   D 5       0 0 0
8    Q S   D 6       0 0 0
9    Q S   D 7       0 0 0
```

LCD Page 3

```
   0 1 2 3 4 5 6 7 8 9 A B C D
0  L C D 3
1  → O P C   0           0 0
2    O P C   1           0 0
3    O P C   2           0 0
4    O P C   3           0 0
5    O P C   4           0 0
6    O P C   5           0 0
7    O P C   6           0 0
8    O P C   7           0 0
9    O P C   8           0 0
```

LCD Page 4

```
   0 1 2 3 4 5 6 7 8 9 A B C D
0  L C D 4
1  → O P C   9           0 0
2    O P C 1 0           0 0
3    O P C 1 1           0 0
4    O P C 1 2           0 0
5    O P C 1 3           0 0
6    O P C 1 4           0 0
7    O P C 1 5           0 0
8    O P C 1 6           0 0
9
```

LCD Page 5

```
   0 1 2 3 4 5 6 7 8 9 A B C D
0  L C D 5
1  → C S 0 0                 0
2    V H 2 4 7       0 0 0 0
3    V H 1 9 1       0 0 0 0
4    V H 1 5 9       0 0 0 0
5    V H 1 2 7       0 0 0 0
6    V H 9 5         0 0 0 0
7    V H 6 3         0 0 0 0
8    V H 3 1         0 0 0 0
9    V H 0           0 0 0 0
```

LCD Page 6

```
   0 1 2 3 4 5 6 7 8 9 A B C D
0  L C D 6
1  → V L 0         0 0 0 0
2    V L 3 1       0 0 0 0
3    V L 6 3       0 0 0 0
4    V L 9 5       0 0 0 0
5    V L 1 2 7     0 0 0 0
6    V L 1 5 9     0 0 0 0
7    V L 1 9 1     0 0 0 0
8    V L 2 4 7     0 0 0 0
9
```

PATTERN Page 1

```
   0 1 2 3 4 5 6 7 8 9 A B C D
0  P A T T E R N
1  → P A T T E R N 1       0 0
2    P A T T E R N 2       0 0
3    P A T T E R N 3       0 0
4    P A T T E R N 4       0 0
5    P A T T E R N     0 0 0 0
6
7
8
9
```

PATTERN Page 2

```
   0 1 2 3 4 5 6 7 8 9 A B C D
0  P O R T
1  → P 1 4   0 0 0 0 H 0 0 0 0
2    P 2 2   0 0 0 0 H 0 0 0 0
3    P 3 0   0 0 0 0 H 0 0 0 0
4    P 3 8   0 0 0 0 H 0 0 0 0
5    P 4 6   0 0 0 0 H G 0 0 0
6    P 5 4   0 0 0 0 H 0 0 0 0
7    P 6 2   0 0 0 0 H 0 0 0 0
8    P 7 0   0 0 0 0 H A A A 0
9
```

Table of contents of process mode Page 0

```
   0 1 2 3 4 5 6 7 8 9 A B C D E F
0  S E R V I C E   I   2 6 G A 7 L
1  → C S L E V E L       0 0 0
2    C O M B I A S     0 0 0 0
3    E R R   S T B Y     0 0 0
4    L   E R R   R E S E T   0
5    L C D
6    P A T T E R N
7    F A N
8    O T H E R
9      V E R   M 2 A 2   B 1 0 1
```

MOTOR Page 1

```
   0 1 2 3 4 5 6 7 8 9 A B C D
0  F A N
1  → R E S E R V E           0
2    R E S E R V E           0
3    R E S E R V E           0
4    R E S E R V E           0
5    R E S E R V E           0
6    R E S E R V E           0
7    R E S E R V E           0
8    R E S E R V E           0
9    T E M P   E R R     0 0 0
```

OTHER Page 1

```
   0 1 2 3 4 5 6 7 8 9 A B C D
0  O T H E R 1
1  → C L R   M O D E         0
2                       W 0
3    L C D   D A T A   0 0 0 0
4                     R 0 W 0
5    E E P   M     0 0 0 0 0 0
6                     R 0 W 0
7
8
9
```

OTHER Page 2

```
   0 1 2 3 4 5 6 7 8 9 A B C D E F
0  O T H E R 2     I   2 6 G A 7 L
1  → L   E R R   S T O P     0
2    M O D E L               0
3    R E M O C O N           0
4
5    Q S T E M P   A D   0 0 0
6    O P C               0 0 0
```

OTHER Page 3

```
   0 1 2 3 4 5 6 7 8 9 A B C D
0  O T H E R 3
1  → T I M E O U T   O N     0
2    P   E R R   S T O P     0
3    L V D S   P D           0
4      0 0 0 0 0 0 0 0 0 0 0 0
5      0 0 0 0 0 0 0 0 0 0 0 0
6    E T C   0 0 0 0 0 0 0 0 0
7    R S T C N T     0 0 0 0 0
8    P O W C N T     0 0 0 0 0
9
```

Process adjustment list

1st level	Page	Item	Setting range	Initial value
Contents	1	CSLEVEL	0~128	00
		COM BIAS	0~1024	800
		ERR STBY	0~Z	0
		L ERR RESET	Zero clear	0
LCD	1	PWM CTRL	0~7	7
		PWM FREQ	0~4095	1289
		PWM DUTY	0~4095	0
		OSC FREQ	0~4095	77
		OSC DUTY	0~4095	70
		PMCG MODE	0~3	0
		PMCG SSC	0~3	0
		DAT DRV	0~7	0
		CLK DRV	0~7	0
	2	MODE	50Hz, 60Hz, PC	60Hz
		QS SW	0~1	1
		QS D1	0~255	84(26") 84(37")
		QS D2	0~255	98(26") 98(37")
		QS D3	0~255	109(26") 109(37")
		QS D4	0~255	123(26") 123(37")
		QS D5	0~255	135(26") 135(37")
		QS D6	0~255	147(26") 147(37")
		QS D7	0~255	160(26") 160(37")
	3	OPC 0	0~85	0(26") 0(37")
		OPC 1	0~85	5(26") 1(37")
		OPC 2	0~85	9(26") 3(37")
		OPC 3	0~85	13(26") 5(37")
		OPC 4	0~85	18(26") 9(37")
		OPC 5	0~85	22(26") 13(37")
		OPC 6	0~85	27(26") 17(37")
		OPC 7	0~85	31(26") 21(37")
		OPC 8	0~85	36(26") 26(37")
	4	OPC 9	0~85	40(26") 30(37")
		OPC 10	0~85	45(26") 34(37")
		OPC 11	0~85	49(26") 39(37")
		OPC 12	0~85	53(26") 44(37")
		OPC 13	0~85	58(26") 49(37")
		OPC 14	0~85	62(26") 54(37")
		OPC 15	0~85	67(26") 58(37")
		OPC 16	0~85	71(26") 62(37")
	5	CS 00	0~2	0
		VH 247	0~1023	916(26") 912(37")
		VH 191	0~1023	765(26") 763(37")
		VH 159	0~1023	742(26") 738(37")
		VH 127	0~1023	719(26") 717(37")
		VH 95	0~1023	704(26") 703(37")
		VH 63	0~1023	687(26") 683(37")
		VH 31	0~1023	666(26") 659(37")
		VH 0	0~1023	537(26") 529(37")
	6	VL 0	0~1023	482(26") 472(37")
		VL 31	0~1023	352(26") 352(37")
		VL 63	0~1023	323(26") 321(37")
		VL 95	0~1023	304(26") 300(37")
		VL 127	0~1023	286(26") 283(37")
		VL 159	0~1023	260(26") 258(37")
		VL 191	0~1023	233(26") 231(37")
		VL 247	0~1023	64(26") 65(37")

Monitoring process ERR STBY table

Outline: Communication and power failures detected by the monitoring microcomputer are saved to EEPROM, and the final states of the errors can be checked in the monitoring process.

Location: Line 3 in page 0 of the monitoring process, ERR STBY field
If there is no error, 0 appears. Value can be cleared to 0 using the cursor.

Indication	Error description	
1	Start-up communication error 1	Not used
2	Start-up communication error 2	Initial communication from the main CPU is not received.
3	Start-up communication error 3	Only initial communication is received.
4	Start-up communication error 4	To the point where communication settings are received
5	Start-up communication error 5	To the point where notice for completion of initialization is received
6	Start-up communication error 6	To the point where version notification is received
7	Start-up communication error 7	To the point where start-up information is received
8	Start-up communication error 8	To the point where reply to start-up info is received
9	Start-up communication error 9	To the point where time-out settings are received
A	Communication error A	REQ time-out
B	Communication error B	Restart time-out
C	Communication error C	Ending sequence time-out
D	Communication error D	Timer-programmed start-up time-out (during ending operation)
E	Communication error E	Not used
F	Communication error F	Not used
G	Communication error G	High-speed ending sequence time-out
H	Communication error H	Regular communication time-out
I	Communication error I	Standby transition time-out
J	Communication error J	Not used
K	Communication error K	Not used
L	Red power LED flashing 0	Not used
M	Red power LED flashing 1	Lamp failure
N	Red power LED flashing 2	Not used
O	Red power LED flashing 3	Not used
P	Red power LED flashing 4	Not used
Q	Red power LED flashing 5	Monitor temperature failure
R	Red power LED flashing 6	Not used
S	Red power LED flashing 7	Not used
T	Green LED flashing 1	15 V failure
U	Green LED flashing 2	Not used
V	Green LED flashing 3	CSEN1 failure
W	Green LED flashing 4	VSH 3.3 V failure
X	Green LED flashing 5	LCD controller 3.3 V failure
Y	Green LED flashing 6	Not used
Z	Main failure	Error standby request from the main CPU

Red power LED: P2304 (RM), pin 8
Green LED : TP2301 (IC2301, pin 22)

Option Bytes table with service relevant option bits

Please do not change others!

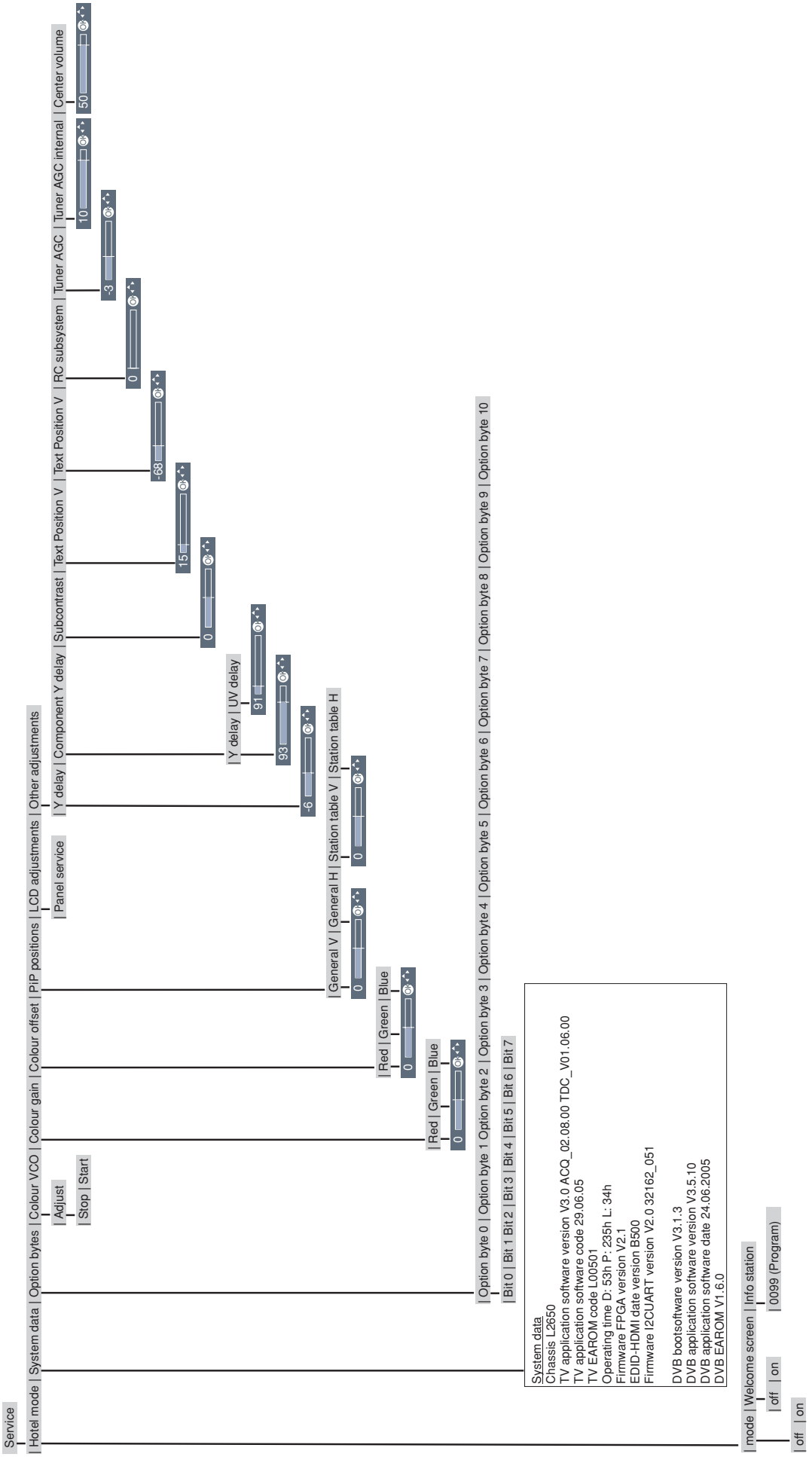
Alignement function	Bit No.	Meaning	"0"	"1"	Adjusted in the factory
Byte 0	1	EPG Program filter	On	Off	0
	5	Blue picture w/o signal	Yes	No	0
Byte 1	1	Effect lights for background	Off	On	0
	2	WSS detection in VCR mode	No	Yes	1
	3	AMD (Autom. movie detection)	On	Off	0
	7	At VGA mode sync failure	Change to TV mode	Keep VGA mode	1
Byte 2	6	Reaction time of remote commands	Fast	Slow	0
	7	WSS (Wide Screen Signalling Bits)	Evaluated	Not evaluated	0
Byte 3	0	Picture ratio (standard values)	Evaluated	Blocked	0
	2	Analogue EPG night update	Off	On	1
	4	Switching off after channel closes	Yes	No	0
	5	Factory mode	Off	On	0
Byte 4	2	Power down cycle	Yes	No	0
	4	AMD switch over	Fast	Langsam Slow	1
	5	Warm up mode	On	Off	1
Byte 5	2	PIP within EPG	Last program	Selected program "now"	0
	3	Sound AURO	SPDIF-out TV	Analogue sound from SCART 2	0

Option Bytes table with service relevant option bits

Please do not change others!

Alignement function	Bit No.	Meaning	"0"	"1"	Adjusted in the factory
Byte 6	6	Indication of movie mode	No	Yes (with colour of Side Panels)	0
	7	VT subpages mode	Normal	Off	0
Byte 7	4	Assessing the 16:9 switching voltage	Yes	No	0
Byte 8	0	Factory mode	No	Yes	0
	7	Auto on (warm up)	Off	On	0
Byte 9	0	Chroma output at SCART 1	Pin 7	Pin 15	0
	1	Ext. receiver in VT mode	Autom. channel recognition	No autom. recognition	0
	4	DISEqC Telegram	Also for not used switch	Only for not used switch	0
	7	Rotation control via RC5	No	Yes	1
Byte 10	0	Signal peaks (only LCD)	Yes	No	0
	1	Program change in overview	Possible	Not possible	0
	4	Correction of MSP registers	No	Yes (Sound problem Luxembourg)	0

Service menu L2650 (LCD)



Software loading

1 Update of the main software (operating software)

To update the software you need the „Programmer“ (Article number 87933.050) and the update program „Flasher“.
Please act according the following procedure:
- Switch off the TV set with the mains switch.
- Connect the Programmer with the L-Link cable to the service socket at the TV.
- Start the Flasher software and select „Step 2“ (see fig. 1).

fig. 1

- Switch on the TV set with the mains switch now (TV does not switch on under this condition) - see fig. 2.

fig. 2

- Software automatically jumps to „Step 3“
- Now select „Auto program“ (see fig. 3) ...

fig. 3

...and select the new software version (see fig. 4).

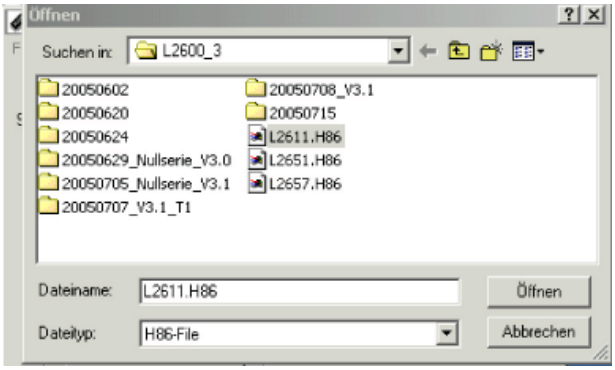


fig. 4

With selecting „Open“ the update process will start automatically (see fig. 5).

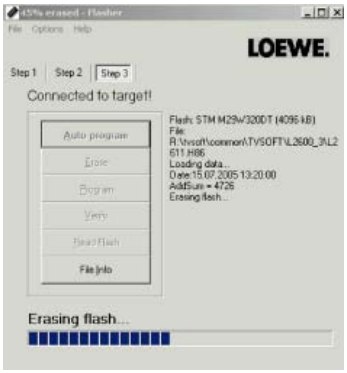


fig. 5

- With the message „Flash programmed“ the update is finished (fig. 6).

fig. 6

- Switch off the TV with the mains switch and disconnect the L-Link cable.

2. Update of the DVB Bootload- / Application software

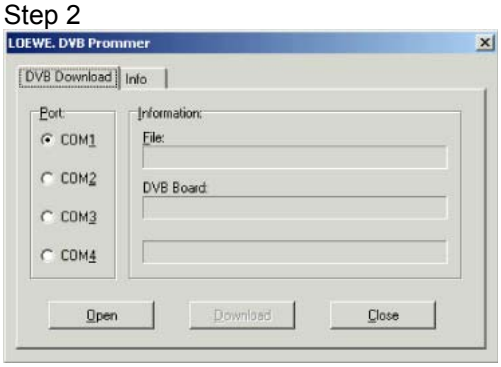
To update the software you need the „Programmer“ (Article number 87933.050) and the update program „Dvbpromer“.

Please act according to steps 1-6 shown in the following pictures:

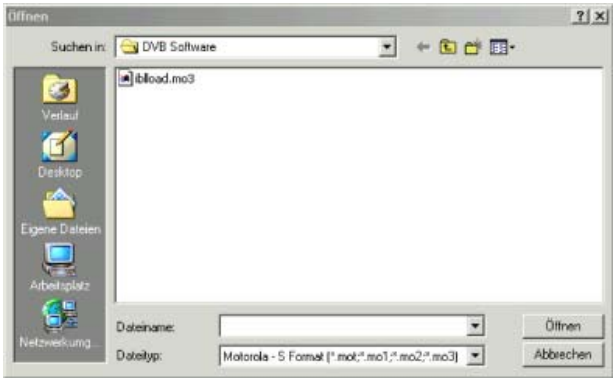
Step 1

Warnung
To get the TV in download-mode you must:
* disconnect an existing motor unit
* switch off the TV by remote control
* connect the service plug
* switch on the TV by remote control
click OK when done.
OK

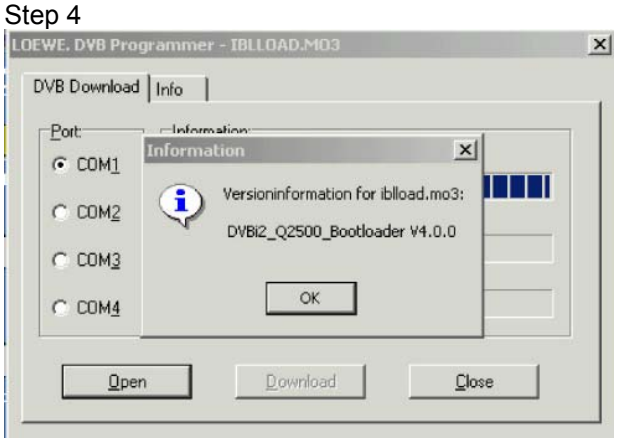
Step 2



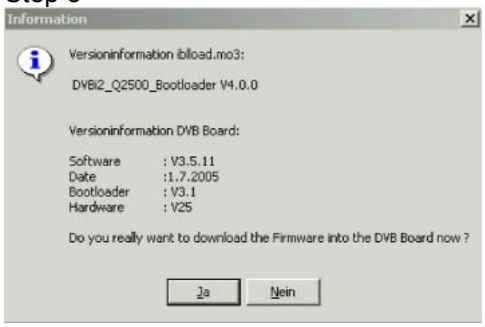
Step 3



Step 4



Step 5



Step 6

Information
The programming of the DVB Flash RAM has completed sucessfully.
* switch off the TV by mains switch
* Disconnect the service plug
* switch on the TV by mains switch.
OK

Components Chart

L2650			Art. No.	65480. V00	65480. V10	65480. V20	65480. V30	65480. V40
			TV set type	AQUOS LC-26GD7E	AQUOS LC-26GD7F	AQUOS LC-26GD7K	AQUOS LC-26GD7R	AQUOS LC-26GD7I
Components	Signal Board	89445	058	x	x		x	x
			059			x		
	Basic Board	89435	080	x	x	x	x	x
	Connector Board	89194	050	x	x	x	x	x
	IR Receiver/LED	89476	050	x	x	x	x	x
	Control Unit Sharp	89477	050	x	x	x	x	x
	LCD Panel Kit LC-26GS7L	89446	002	x	x	x	x	x
	Tuner/IF	89222	064	x	x	x	x	x
	Remote Control Sharp GD7	32534	x	x	x	x	x	x
Retrofit Kit								

Technical specifications
LC-26GD7E

General

Art. No.	65480
Dimensions with tablestand (mm)	663x556x278 (WxHxD)
Dimensions without tablestand (mm)	663x504x118 (WxHxD)
Picture format	16:9
Screen diagonal in cm	65
Picture resolution	1366x768
Contrast ratio	800:1
Viewing angle horizontal and vertical	170°
Weight with tablestand (kg)	approx. 15.7
Rated power IEC 62087 (watts)	70
Power consumption on standbý (watts)	< 3
Ambient temperature (°C)	5-35
Relative humidity	20 ... 80% (no condensation)
Air pressure (HPa)	800 ... 1114 (0 ... 2000m above sea level))
Chassis	L 2650
Power supply	220 V - 240 V / 50-60 Hz
Tuner VHF/UHF/cable	
Hyperband 8 MHz	41 MHz to 860 MHz
Station memory	1680
TV standards	B/G, I, L, D/K, M, N
Colour standards	PAL SECAM, NTSC-V, PAL 60 Hz
Audio standards	mono/stereo/2-sound Nicam B/G, I, L, Virtual Dolby
Audio rated output (watts)	2 x 20 / 6 Ohm
Analogue teletext	TOP/FLOF Level 2.5
Teletext page memory	3500
Digital teletext (UK only)	MHEG-5

Connections

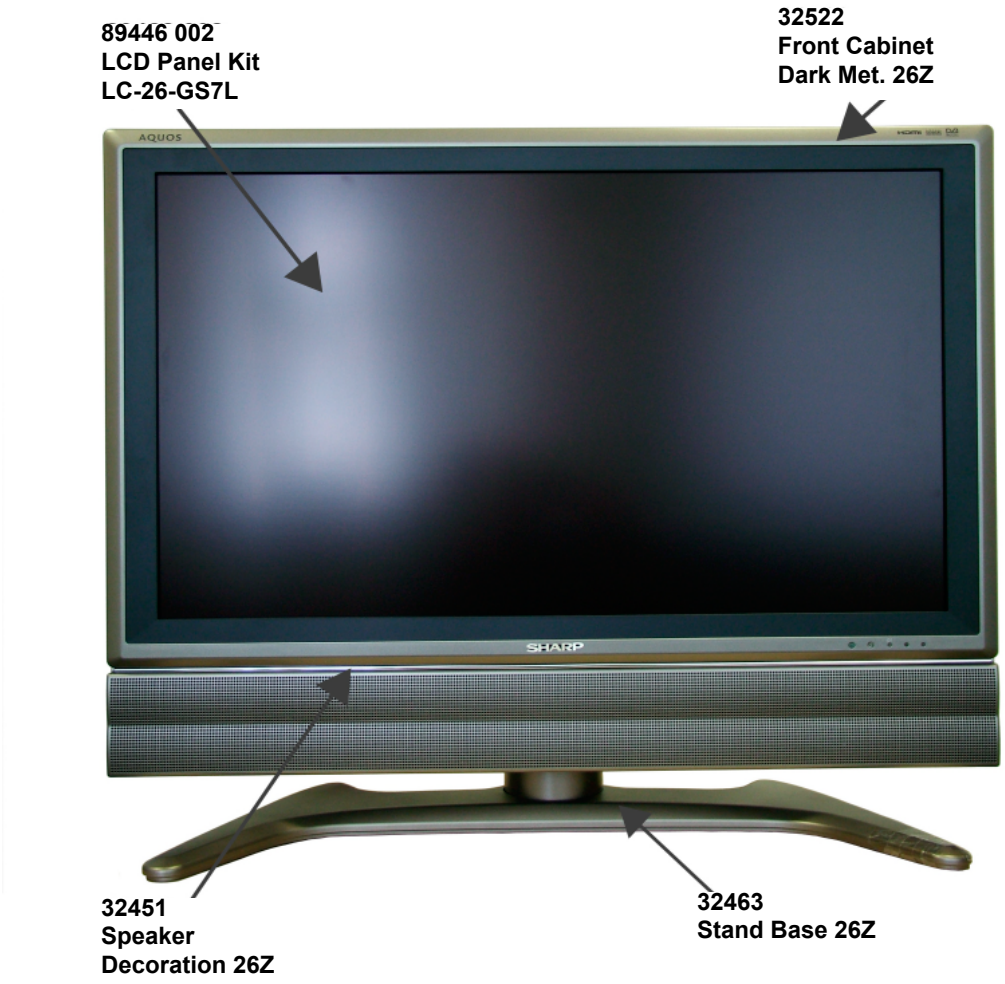
Jack 3.5 mm	Headphone 32-2000 Ohm	
EXT 4 Mini-DIN	Video IN	Y/C (S-VHS/Hi 8)
EXT 4 (yellow)	Video IN	CVBS (VHS/8 mm)
Cinch (white/red)	Audio IN	L/R
IEC socket 75 ohms (*5V/80mA)	Antenna/cable/DVB-T	
*F socket 75 ohms 13/18V/350 mA	ANT-SAT	
EXT 1	Video IN	Y/C (S-VHS/Hi 8)
		CVBS (VHS/8 mm)
		RGB, YUV
	Video OUT	CVBS
	Y/C (with SVHS AV link only)	
	Audio IN	L/R
	Audio OUT	L/R
EXT 2	Video IN	Y/C (S-VHS/Hi 8)
		CVBS (VHS/8 mm)
	Video OUT	CVBS (VHS/8 mm)
		Y/C (S-VHS/Hi 8)
	Audio IN	L/R
	Audio OUT	L/R
Cinch	Audio IN max. 2Vrms	Center
2 x Cinch	Audio IN	L/R
2 x Cinch	Audio OUT	L/R
EXT 3 (Cinch)	COMPONENT IN	Cb/Pb signal
	COMPONENT IN	Cr/Pr signal
	COMPONENT IN	Y signal
Cinch	Digital Audio IN (SPDIF)	digital sound
Cinch	Digital Audio OUT (SPDIF)	digital sound
EXT 5	Digital video/audio IN type A 19-pole	digital picture and sound
PC IN	VGA/XGA IN PC/STB picture signal	
Mini DIN	Service/S-Link	

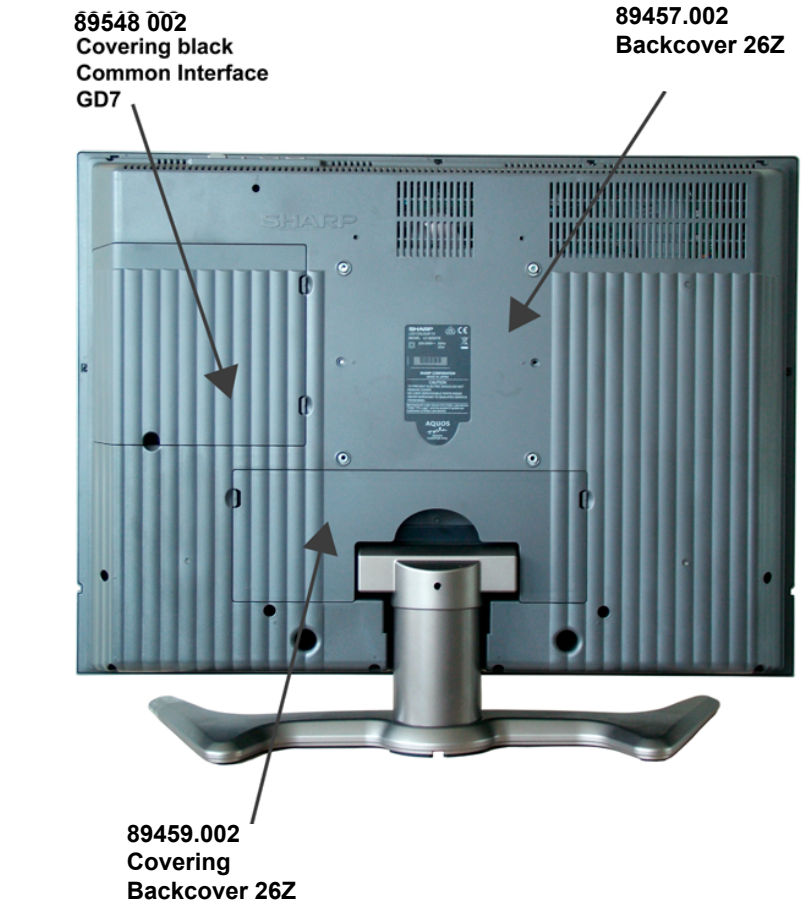
* Devices with digital satellite tuner

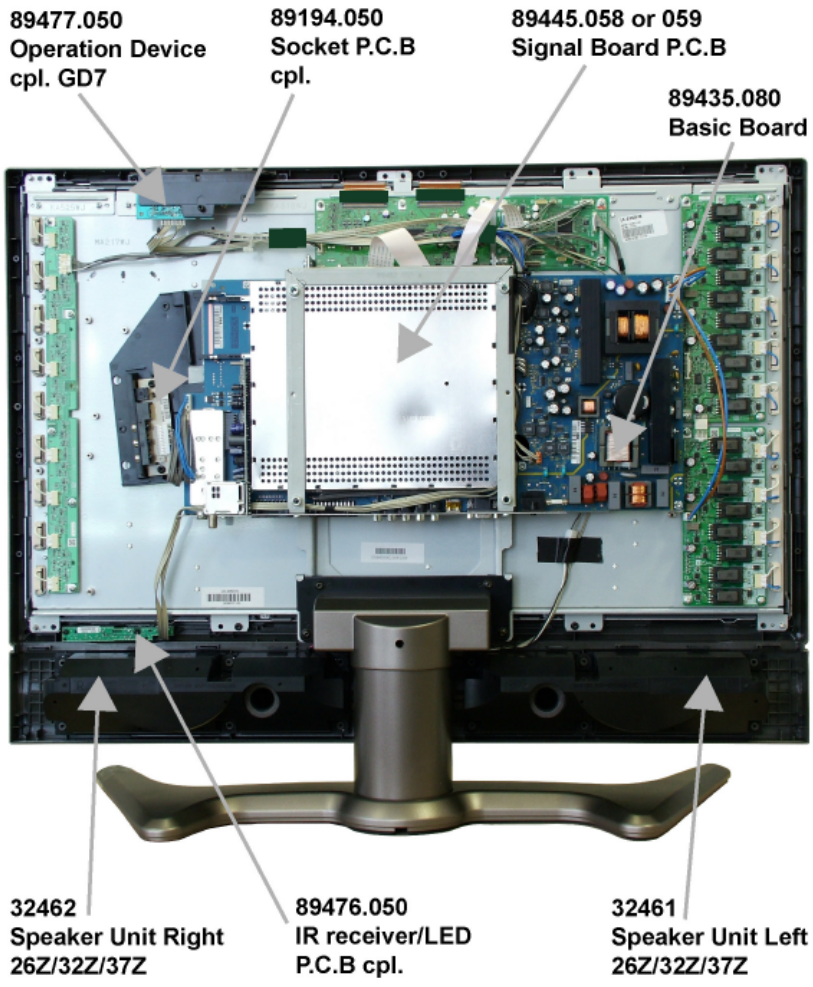
Spare parts list

AQUOS LC26GD7 — Art. N°. 65480.V00-30

Item N°.	Description	List Part N°.	Var.
	UNITS		
300	Operating Device cpl. SHARP GD7	L396-89477.050	
320	Socket P.C.B cpl.	L396-89194.050	
351	P.C.B IR-Receiver/LED cpl. SHARP GD7	L396-89476.050	
710	LCD-Panel-Kit LC-26GS7L SHARP	L291-89446.002	
720	Basic-Board cpl. L2650	L396-89435.080	
721	Signal-Board cpl. L2650H SHARP/DVB-T CI	L396-89445.058	V00
721	Signal-Board cpl. L2650H SHARP/DVB-T CI	L396-89445.058	V10
721	Signal-Board cpl. L2650H SHARP/DVB-T CI	L396-89445.058	V30
721	Signal-Board cpl. L2650H SH./MHEG5/DVB-T CI	L396-89445.059	V20
	SET SUPPLEMENT		
500	Packing Case cpl. for BA+FB GD7E/GD7I	L245-89587.050	V00
	PACKING MATERIAL		
500	Packing Case cpl. for BA+FB GD7F	L245-89587.051	V10
500	Packing Case cpl. for BA+FB GD7K	L245-89587.052	V20
500	Packing Case cpl. for BA+FB GD7R	L245-89587.053	V30
600	Packing Case GD7 26	L245-89514.002	
605	Protective Strip 1200x800mm	L253-84666.025	
610	Cushion-Set GD7 26	L252-89513.050	
	CABINET MOUNTING		
100	Speaker unit right 26Z/32Z/37Z SHARP	L776-32462	
101	Speaker unit left 26Z/32Z/37Z SHARP	L776-32461	
103	Speaker Decoration 26Z SHARP	L700-32451	
104	Badge Alu SHARP 26Z/32Z	L715-32632	
111	Screw K4,0x14,0 Torx	L440-27723	
302	Control Device cpl. grey SHARP GD7	L810-32527	
321	Holder AV Socket AQUOS black	L602-89248.002	
618	Covering Stand dark metallic GD7E 26Z	L778-89554.019	
619	Holder Stand SHARP GD7E 26Z	L602-89553.001	
620	Stand Base 26Z SHARP	L484-32463	
625	Stand Support 26Z SHARP	L484-32457	
626	INBUS-Screw sw M5,0x10 for Backcover/Box	L432-26474	
711	Holder Panel right SHARP GD7E 26	L602-89552.001	
712	Holder Panel left SHARP GD7E 26Z	L602-89552.011	
713	Holder VESA vertical AQUOS 26	L602-89576.001	
714	Holder VESA horizontal AQUOS 26	L602-89577.001	
G104	Front Mask kpl.dark met. 26Z SHARP	L703-32522	
G110	Backcover black SHARP GD7 26Z	L775-89547.002	
G113	Covering Backcover side black 26Z	L778-89548.002	
G114	Covering Backcover bottom black 26Z	L778-89549.002	


89446 002
LCD Panel Kit
LC-26-GS7L
32522
Front Cabinet
Dark Met. 26Z
32451
Speaker
Decoration 26Z
32463
Stand Base 26Z


89548 002
Covering black
Common Interface
GD7
89457.002
Backcover 26Z
89459.002
Covering
Backcover 26Z


89477.050
Operation Device
cpl. GD7
89194.050
Socket P.C.B
cpl.
89445.058 or 059
Signal Board P.C.B
89435.080
Basic Board
32462
Speaker Unit Right
26Z/32Z/37Z
89476.050
IR receiver/LED
P.C.B cpl.
32461
Speaker Unit Left
26Z/32Z/37Z

Retrofit Kit Digital SAT — Art.-Nr. 89361.055

Item N°.	Description	List Part N°.	Var.
	UNITS		
10	DVB-S Frontend complete L2650 P.C.B	L396-89189.055	055
	OPERATING INSTRUCTIONS		
41	Indicating sheet EBA DVB-S (P) Frontend L26XX	L240-32237	055
	SET SUPPLEMENT		
21	Connecting cable SAT extension 350lg.	L169-89261.001	055
	PACKING MATERIAL		
31	Protective packing 165x205 für MOS-Baugr.	L253-11845	055
48	Foam plastics ledge 215x215x30mm	L411-74721.010	055
49	Foam plastics ledge 215x215x30mm	L411-74721.010	055
50	Packing case	L245-84978.002	055

DBVB-S Frontend — Art.-No. 89189.055

Item N°.	Description	List Part N°.	Var.
	UNITS		
U7001	DVB SAT tuner BS2S7VZ1302	L260-32104	055
	COILS, SPEAKERS		
L7012	Choke DR-RA 22U K 1,2A	L298-28798.020	055
	INTEGRATED CIRCUITS		
I7001	IC-VR 3V30 J 0A80 SO8 LD1117	L350-27212	055
I7002	IC-VR 3V30 G 2A50 HSOP8 L5973D	L350-31900	055
I7003	STV0299B TQFP64	L350-29049	055
I7004	LM 2903D SO08	L350-21674	055
	QUARTZES		
X7001	Crystal Oscillator 4,000000 MHz HC49U	L385-17297	055
	CAPACITORS		
C7050	1N K 630V 1206 X7R	L356-26774	055
	RESISTORS		
R7044	Resistor 1R J 0207	L367-24709.020	055
	SMD PARTS		
D7001	Diode 3,0A 40V SOD6 Schottky	L351-28529	055
D7002	Diode 1,0A 600V DO-214AC	L351-20547	055
D7003	Diode 3,0A 40V SOD6 Schottky	L351-28529	055
D7004	Diode DIOZD 6V2 G 0W3 SOT23 BZX84C	L351-26935	055
D7005	Diode 1,0A 600V DO-214AC	L351-20547	055
Q7001	Transistor 17NE03# TO252 17A0 30V NCH	L344-29257	055
Q7002	Transistor Digital SOT323 NPN 50V 70MA 47K+	L344-27270	055
Q7003	Transistor Digital SOT323 NPN 50V 70MA 47K+	L344-27270	055
Q7004	Transistor BC847BW SOT323	L344-27272	055
Q7005	Transistor BC847BW SOT323	L344-27272	055
Q7006	Transistor BC847BW SOT323	L344-27272	055
Q7007	Transistor BC847BW SOT323	L344-27272	055
Q7008	Transistor BC847BW SOT323	L344-27272	055

Connector Board — Art.-No. 89194.050-051

Item N°.	Description	List Part N°.	Var.
	SOCKETS		
W1351	Combination jack 9311A	L323-32139	050
W1351	Combination jack 9311F	L323-32139.003	051
W1451	Headphone socket 3,5mm horiz.	L323-24591	
	SMD PARTS		
D1391	Diode BAS316 SOD323	L351-27952	
D1392	Diode BAS316 SOD323	L351-27952	
D1491	Diode BAS316 SOD323	L351-27952	
D1492	Diode BAS316 SOD323	L351-27952	

Tuner — Art.-No. 89222.063-064

Item N°.	Description	List Part N°.	Var.
	INTEGRATED CIRCUITS		
I4400	ICMOS TUA6034 TSSOP-38 Mixer-Osc.	L350-31388	
I4500	TDA9890 LQFP48 IF-Processor	L350-32289	063
I4500	TDA9898 LQFP48 IF-Processor	L350-32290	064
	QUARTZES		
X4420	Quartz 4,000000 MHz HC49U3 low profile	L385-27752	
	SMD PARTS		
	Diodes		
D4104	Cap. BB689 SCD80	L351-31392	
D4105	Cap. BB565C-02V SC79	L351-31399	
D4147	Cap. BB689 SCD80	L351-31392	
D4153	Cap. BB689 SCD80	L351-31392	
D4154	Cap. BB565C-02V SC79	L351-31399	
D4173	Cap. BB689 SCD80	L351-31392	
D4204	Cap. BB659C-02V SC79	L351-31387	
D4205	Cap. BB565C-02V SC79	L351-31399	
D4247	Cap. BB659C-02V SC79	L351-31387	
D4253	Cap. BB659C-02V SC79	L351-31387	
D4273	Cap. BB659C-02V SC79	L351-31387	
D4305	Cap. BB565C-02V SC79	L351-31399	
D4347	Cap. BB565C-02V SC79	L351-31399	
D4353	Cap. BB565C-02V SC79	L351-31399	
D4373	Cap. BB565C-02V SC79	L351-31399	
	Transistors		
Q4100	MOSFET SOT343 NCH BF2030W	L344-31382	
Q4200	MOSFET SOT343 NCH BF2030W	L344-31382	
Q4300	DUALMOSFET SOT363 BG3130	L344-31383	063
Q4300	BF1202 SOT143B N-CH MOSFET	L344-32426	064
Q4571	BC847BT SC75 0A1 45V NPN	L344-31393	

Basic Board — Art.-No. 89435.080

Item N°.	Description	List Part N°.	Var.
	COILS, SPEAKERS		
T161	Power transformer standby EF20-5,9	L490-30875	080
T342	Power transformer 2652.0008C L2650	L490-32512	080
	COMMON MECHANICAL PARTS		
H101	Fuseholder spring for SI 5x20	L730-20061	080
H102	Fuseholder spring for SI 5x20	L730-20061	080
	INTEGRATED CIRCUITS		
I141	ICE2A0565G P-DSO-16 OFF-LINE-CONTR.	L350-32092	080
I211	MC33262 SO-8 ONSEMI	L350-31489	080
I307	IC-VR 12V00 J 0A50 DPAK L78M12	L350-31891	080
I321	L6598 SO16N 600V 0A25 HVOLT.CONTR.	L350-32431	080
I351	IC-VR 2V5-24V F SOT23-3L TS2431	L350-31490	080
I361	IC-VR 2V5-24V F SOT23-3L TS2431	L350-31490	080
I511	L5994 TQFP32 power supply	L350-32099	080
I591	IC-VR 3V30 G 2A50 HSOP8 L5973D	L350-31900	080
I601	IC-VR 3V30 G 2A50 HSOP8 L5973D	L350-31900	080
I621	ICMOS ST755 SO8	L350-31267	080
I671	LM 2901 DT013TR SO-14 030	L350-27497	080
I821	MP7731 TSSOP20F audio AMP	L350-32249	080
I861	MP7731 TSSOP20F audio AMP	L350-32249	080
I941	MC33079 SO14	L350-28701	080
	SOCKETS		
W101	Socket 2-pol. 1-row	L323-31223	080
W450	Contact ledge vert. 3-pol. nat.	L326-20054	080
W898	Contact ledge vert. 3-pol. gr.	L326-29784	080
	TRANSISTORS		
10	20A 500V TO220FP POWMOS-NCH	L346-31643	080
10	POWMOS TO220FP NCH 550V 8A	L346-32175	080
Q224	20A 500V TO220FP POWMOS-NCH	L346-31643.Y27	080
Q334	POWMOS TO220FP NCH 550V 8A	L346-32175.Y27	080
Q336	POWMOS TO220FP NCH 550V 8A	L346-32175.Y27	080
	DIODES		
10	Diode STTA806DI TO220	L352-27622	080
D191	Rectifier FBI5L1M1 900V/5A	L354-27910.Y22	080
D251	Diode STTA506F TO220	L352-27622.Y18	080
D411	Diode STPS20L45CF ISOWATT220AB 2x 10A	L352-20296.Y18	080
D413	Diode STPS20L45CF ISOWATT220AB 2x 10A	L352-20296.Y18	080
I151	Coupler SOP4 80V 50mA SMD	L353-32233	080
I201	Coupler SOP4 80V 50mA SMD	L353-32233	080
I311	Coupler SOP4 80V 50mA SMD	L353-32233	080
	FUSES		
F101	3150mA T 250V 5x20 H	L380-29649	080
F181	1000mA F 250V 8x8	L380-31664.020	080
F418	4000mA F 250V 8x8	L380-31271.020	080
F451	4000mA F 250V 8x8	L380-31271.020	080
	CAPACITORS		
C111	KOFOL 470N M 310VW	L359-29681	080
C113	330P M 400VW	L357-73804.Y01	080
C126	KOFOL 470N M 310VW	L359-29681	080
C128	KO-Y1 1N5 M 250V 10R0 X1/Y1	L357-29161	080
C131	KOFOL 470N M 310VW	L359-29681	080
C161	330P M 400VW	L357-73804.Y01	080
C191	470N M 275VW	L359-28292	080
C251	100P K 2000V	L359-28861	080

Basic Board — Art.-No. 89435.080

Item N°.	Description	List Part N°.	Var.
	CAPACITORS		
C252	Electrolytic Capacitor 180U M 450V	L360-32240	080
C342	Capacitor 10N J 630V	L359-31179	080
	RESISTORS		
10	Resistor 0R22 J 0411 0W75	L368-31799.010	080
10	NTC Resistor 2R5 M 7R5 Y-Type WIDNT	L370-31354	080
R191	NTC Resistor 2R5 M 7R5 Y-Type WIDNT	L370-31354.Y07	080
R232	Resistor 0R22 J 0411 0W75	L368-31799.Y03	080
R340	Resistor 10M J 0411	L367-19664.Y05	080
	SMD PARTS		
	Diodes		
D141	DIOZD 20V0 J 0W2 SOD323 BZT52	L351-31487	080
D142	BAS321 SOD323	L351-28873	080
D181	1,0A 800V DO214AC FAST-GP	L351-25542	080
D192	BAS316 SOD323	L351-27952	080
D200	DIOZD 20V0 J 0W2 SOD323 BZT52	L351-31487	080
D201	BAS316 SOD323	L351-27952	080
D203	BAS316 SOD323	L351-27952	080
D222	BAS316 SOD323	L351-27952	080
D241	0A5 20V SOD123 Schottky	L351-30905	080
D306	DIOZD 5V6 J 0W25 SOD323	L351-31054	080
D308	BAS316 SOD323	L351-27952	080
D315	BAS316 SOD323	L351-27952	080
D316	1,0A 200V DO214AC FAST-GP	L351-29831	080
D332	1,0A 800V DO214AC FAST-GP	L351-25542	080
D335	BAS316 SOD323	L351-27952	080
D337	BAS316 SOD323	L351-27952	080
D380	BAS316 SOD323	L351-27952	080
D401	3,0A 40V SOD6 Schottky	L351-28529	080
D491	DIOZD 3V0 J 0W25 SOD323	L351-31129	080
D492	DIOZD 5V6 J 0W25 SOD323	L351-31054	080
D535	3,0A 40V SOD6 Schottky	L351-28529	080
D536	0A5 20V SOD123 Schottky	L351-30905	080
D540	3,0A 40V SOD6 Schottky	L351-28529	080
D541	0A5 20V SOD123 Schottky	L351-30905	080
D551	BAS316 SOD323	L351-27952	080
D556	DIOZD 30V J 0W25 SOD323	L351-31055	080
D557	BAS316 SOD323	L351-27952	080
D596	3,0A 40V SOD6 Schottky	L351-28529	080
D606	3,0A 40V SOD6 Schottky	L351-28529	080
D634	3,0A 40V SOD6 Schottky	L351-28529	080
D662	DIOZD 5V6 J 0W25 SOD323	L351-31054	080
D663	BAS316 SOD323	L351-27952	080
D664	BAS316 SOD323	L351-27952	080
D673	BAS316 SOD323	L351-27952	080
D780	DIOZD 12V0 J 0W25 SOD323	L351-31128	080
D781	BAS316 SOD323	L351-27952	080
D783	BAS316 SOD323	L351-27952	080
D784	BAS316 SOD323	L351-27952	080
D786	BAS316 SOD323	L351-27952	080
D791	DIOZD 6V2 J 0W25 SOD323	L351-31062	080
D793	0A5 20V SOD123 Schottky	L351-30905	080
D794	BAS316 SOD323	L351-27952	080
D823	BAS316 SOD323	L351-27952	080
D824	DIOZD 6V2 J 0W25 SOD323	L351-31062	080

Basic Board — Art.-No. 89435.080

Item N°.	Description	List Part N°.	Var.
	SMD PARTS		
	Diodes		
D825	3,0A 40V SOD6 Schottky	L351-28529	080
D826	BAS316 SOD323	L351-27952	080
D827	DIOZD 6V2 J 0W25 SOD323	L351-31062	080
D828	3,0A 40V SOD6 Schottky	L351-28529	080
D863	BAS316 SOD323	L351-27952	080
D864	DIOZD 6V2 J 0W25 SOD323	L351-31062	080
D865	3,0A 40V SOD6 Schottky	L351-28529	080
D866	BAS316 SOD323	L351-27952	080
D867	DIOZD 6V2 J 0W25 SOD323	L351-31062	080
D868	3,0A 40V SOD6 Schottky	L351-28529	080
L431	3,0A 40V SOD6 Schottky	L351-28529	080
	Transistors		
Q192	BC847BW SOT323	L344-27272	080
Q199	POWMOS DPAK NCH 400V 3A0 STD5NK40Z	L344-28594	080
Q207	BC857BW SOT323	L344-28404	080
Q301	BC847BW SOT323	L344-27272	080
Q304	BC847BW SOT323	L344-27272	080
Q306	BC857BW SOT323	L344-28404	080
Q370	BC847BW SOT323	L344-27272	080
Q371	BC847BW SOT323	L344-27272	080
Q536	BSO4822 SO-8 N-CH MOSFET	L344-31480	080
Q537	BSO4822 SO-8 N-CH MOSFET	L344-31480	080
Q541	POWMOS SO8 30V GA 2-NCH STS8DNF3LL	L344-30892	080
Q551	BC847BW SOT323	L344-27272	080
Q552	BC847BW SOT323	L344-27272	080
Q556	BC847BW SOT323	L344-27272	080
Q781	BC857BW SOT323	L344-28404	080
Q786	BC857BW SOT323	L344-28404	080
Q796	BC857BW SOT323	L344-28404	080
Q798	BC847BW SOT323	L344-27272	080
Q811	BC847BW SOT323	L344-27272	080
Q813	BC857BW SOT323	L344-28404	080
Q851	BC847BW SOT323	L344-27272	080
Q853	BC857BW SOT323	L344-28404	080

Signal Board — Art.-No. 89445.058-059

Item N°.	Description	List Part N°.
	UNITS	
U2141	Tuner-ZF 04 H04 complete	L396-89222.064
	INTEGRATED CIRCUITS	
I2072	IC-VR 5V00 J 0A50 DPAK L78M05	L350-29006
I2111	IC-VR 5V00 J 0A50 DPAK L78M05	L350-29006
I2701	ICMOS SDA6000M2-B12 MQFP128	L350-30824
I2714	ICRES 2V70 SOT23-5 RESET S-80127	L350-30904
I2721	ICRES 2V70 SOT23-5 RESET S-80127	L350-30904
I2736	IC-VR 3V30 0A30 SOT223 TC1108	L350-29462
I2751	IC-VR 2V50 0A30 SOT223 TC1108	L350-29460
I2771	ICMOS 24256 SO-8 EEPROM 256K I2C	L350-31206
I2781	ICMOS 24256 SO-8 EEPROM 256K I2C	L350-31206
I2801	ICMOS 48LC4M# TSOP2 10ns SDRAM	L350-29137
I2811	ICMOS M29W320 TSOP48 90ns Flash Tray	L350-32490
I2841	ICMOS 74HCT4052D SO16	L350-29463

Signal Board — Art.-No. 89445.058-059

Item N°.	Description	List Part N°.
	INTEGRATED CIRCUITS	
I3001	ICMOS MSP4411K MQFP80	L350-32014
I3006	IC-VR 8V00 J 0A10 SO8 L78L08	L350-26953
I3041	ICMOS 74 AC157 SO16	L350-28896
I3061	TS482IST SO8 mini headphone ampl.	L350-31975
I3121	MC33079 SO14	L350-28701
I3401	ICMOS ATMEGA16 TQFP44 Controller	L350-32162
I3601	ICMOS FRC9428-XX-B1 PMQFP144-4	L350-32157
I3651	IC-VR 3V30 G 2A50 HSOP8 L5973D	L350-31900
I3701	ICMOS VSP 9427B-XZ-C4 PMQFP144-1	L350-32156
I3704	ICMOS 74LVC1G04 SOT353 Inverter	L350-30912
I3801	ICMOS TEA6425 SO20L	L350-32020
I3901	HCF4053B SO16	L350-28690
I3931	ICMOS PCF8574 SSOP20	L350-28688
I3951	NJM2293M DMP16 Video-SWIT	L350-30736
I4001	ICMOS SII9993 TQFP-100 HDMI Receiver	L350-31455
I4031	ICMOS 74LVC1G04 SOT353 Inverter	L350-30912
I4042	IC-VR 3V30 G 0A15 SOT23-5 ZXCL3#	L350-30710
I4071	ICMOS 24LC02BT SO-8 2K I2C EEPROM	L350-31438
I4201	ICMOS DPS9455B-XZ-A2 MQFP144 Tray	L350-32318
I4219	IC-VR 1V80 0A05 SOT23-5L LD2982	L350-32248
I4222	IC-VR 3V30 0A30 SOT223 TC1108	L350-29462
I4226	ICMOS 74LVC1G04 SOT353 Inverter	L350-30912
I4233	ICMOS 74LVC1G04 SOT353 Inverter	L350-30912
I4281	IC-VR 3V30 G 0A15 SOT23-5 ZXCL3#	L350-30710
I4301	ICMOS 74HCT 86 SO14	L350-16065
I4311	ICMOS 74 AC157 SO16	L350-28896
I4331	IC-VR 3V30 G 0A15 SOT23-5 ZXCL3#	L350-30710
I4336	HCF4053B SO16	L350-28690
I4381	ICMOS 74 AC157 SO16	L350-28896
I4501	ICMOS EP1C3T144C8 TQFP144 Cyclone-FPGA	L350-32207
I4506	ICMOS EPCS1 SOIC-8 CONFIG. DEVICE	L350-31956
I4516	IC-VR 3V30 0A30 SOT223 TC1108	L350-29462
I4531	74 AC 04 SO14	L350-16393
I4541	IC-VR 3V30 G 2A50 HSOP8 L5973D	L350-31900
I4601	ICMOS DS90C385MTD TSSOP56	L350-31013
I4701	ICMOS HEF4093 SO14	L350-30726
I4711	LM 358 SMD	L350-21521
I4801	LT1675CGN SSOP16 RGB-MUX	L350-30906
I4851	ICMOS 24LC02BT SO-8 2K I2C EEPROM	L350-31438
I5001	ICMOS STI5518BQC PQFP208	L350-31959
I5011	IC-VR 2V50 0A50 SOT223 TC1262	L350-29461
I5022	IC-VR 3V30 G 2A50 HSOP8 L5973D	L350-31900
I5039	ICMOS TSH72CD SO-8 OP-AMP	L350-29866
I5101	ICMOS 48LC4M# TSOP2 10ns SDRAM	L350-29137
I5151	ICMOS MK3727D SOIC-8	L350-30948
I5171	IC-VR 3V30 J 0A80 SO8 LD1117	L350-27212
I5181	ICRES 2V60 SO8 RESET-IC TL7702	L350-27827
I5201	ICMOS 48LC4M# TSOP2 10ns SDRAM	L350-29137
I5251	ICMOS 74 HCT125 SMD	L350-15523
I5301	ICMOS M29W320 TSOP48 90ns Flash Tray	L350-32490
I5401	ICMOS TDA10046HT TQFP-64	L350-31012
I5431	IC-VR 1V80 F 0A50 SO-8 LP2989#	L350-29193
I5441	IC-VR 3V30 G 0A15 SOT23-5 ZXCL3#	L350-30710

Signal Board — Art.-No. 89445.058-059

Item N°.	Description	List Part N°.
	INTEGRATED CIRCUITS	
I5461	LM317M TO252	L350-28700
I5471	LM 2903D SO08	L350-21674
I5551	MAX4546CSE SO16 RF/Video Switch	L350-28499
I5701	ICMOS STV0700 PQFP128 CI-CONT	L350-29865
I5721	ICMOS 74LVC14 SO14	L350-29881
I5771	ICMOS 74LVT245 SO20	L350-27028
I5781	ICMOS 74LVTH373 SO20	L350-29875
I5791	ICMOS 74LVTH373 SO20	L350-29875
	SOCKETS	
10	Contact Ledge vert. 2-P nat.	L326-31940
W2001	Socket VGA 15-pol.	L323-32079
W2011	Contact Ledge SMD 5-pol. nat. 1R00 SR/SH vert.	L326-32424
W2021	Contact Ledge SMD 14-pol. nat. 1R0 SR vert.	L326-32095
W2071	Contact Ledge Connector 13-pol. 13JL-BT-L-H-C (JST)	L326-19543
W2072	Contact Ledge Connector 13-pol. 13JL-BT-L-H-C (JST)	L326-19543
W2081	Socket HDMI SMD horizontal without flange	L323-32291
W2101	Contact Ledge vert. 16-pol. nat. 2R0 2-row PHD	L326-32113
W2111	Contact Ledge vert. 4-pol. ge. 2R50 EH	L326-28671.Y29
W2131	Contact Ledge vert. 3-pol. nat. 2R50 EH	L326-20054.Y29
W2134	Contact Ledge vert. 6-pol. nat. 2R50 EH	L326-20762.Y29
W2136	Contact Ledge vert. 2-P nat. 2R50 EH	L326-31940.Y29
W2142	Socket row 4-pol.	L326-28942.001
W2143	Socket row 14-pol.	L326-28942.002
W2171	Cinch socket 6-fold horizontal coloured	L323-32077.002
W2181	Contact Ledge vert. 11-pol. nat.	L326-24643
W2201	SCART Socket horizontal	L323-32078
W2211	SCART Socket horizontal	L323-32078
W2221	Cinch Socket 4-fold horizontal 4 colour	L323-32076.001
W2231	Socket vert. 6-pol. blk.	L326-31059
W2281	Mini-DIN socket 8-pol.	L323-18812
W4501	Contact Ledge vert. 9-P nat.	L326-28719
W4601	Contact Ledge 50-pol. 0R5 vert. gold SMD	L326-32553
W4611	Contact Ledge 33-pol. 0R5 vert. gold SMD	L326-32554
	QUARTZES	
X2738	Crystal Oscillator 6,000000 MHz HC49U CL=20pF	L385-29248
X3026	Crystal Oscillator 18,432000 MHz HC49U	L385-25502
X3408	Quartz 11,059200 MHz HC49U3H low profile	L385-16812
X3607	Crystal Oscillator 20,250000 MHz HC49U	L385-26686
X3792	Crystal Oscillator 20,250000 MHz HC49U	L385-26686
X4214	Crystal Oscillator 20,250000 MHz HC49U	L385-26686
X4534	Crystal Oscillator 29,491200 MHz HC49U3	L385-31414
X5154	Crystal Oscillator 13,500000 MHz HC49U	L385-18287
X5414	Crystal Oscillator 16,000000 MHz HC49U	L385-28900
	RESISTORS	
R2041	NTC Resistor 10K 0603 100mW WIDNT	L370-31696
R4021	Resistor 4x22R J 4x0603 Res. Array	L374-30936
R4022	Resistor 4x22R J 4x0603 Res. Array	L374-30936
R4023	Resistor 4x22R J 4x0603 Res. Array	L374-30936
R4024	Resistor 4x22R J 4x0603 Res. Array	L374-30936
R4026	Resistor 4x22R J 4x0603 Res. Array	L374-30936
R4027	Resistor 4x22R J 4x0603 Res. Array	L374-30936
R4241	Resistor 4x22R J 4x0603 Res. Array	L374-30936
R4242	Resistor 4x22R J 4x0603 Res. Array	L374-30936

Signal Board — Art.-No. 89445.058-059

Item N°.	Description	List Part N°.
	RESISTORS	
R4243	4x22R J 4x0603 Res. Array	L374-30936
R4244	4x22R J 4x0603 Res. Array	L374-30936
R4246	4x22R J 4x0603 Res. Array	L374-30936
R4247	4x22R J 4x0603 Res. Array	L374-30936
R4511	4x22R J 4x0603 Res. Array	L374-30936
R4512	4x22R J 4x0603 Res. Array	L374-30936
R4513	4x22R J 4x0603 Res. Array	L374-30936
R4514	4x22R J 4x0603 Res. Array	L374-30936
R4516	4x22R J 4x0603 Res. Array	L374-30936
R4517	4x22R J 4x0603 Res. Array	L374-30936
	SMD PARTS	
	Diodes	
D2001	BAS316 SOD323	L351-27952
D2071	1,0A 600V DO-214AC	L351-20547
D2072	1,0A 600V DO-214AC	L351-20547
D2097	BAS316 SOD323	L351-27952
D2102	0A1 30V SOD323 Schottky	L351-31461
D2108	1,0A 600V DO-214AC	L351-20547
D2109	1,0A 600V DO-214AC	L351-20547
D2286	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	L351-16758
D2287	BAS316 SOD323	L351-27952
D2709	BAS316 SOD323	L351-27952
D2732	0A5 20V SOD123 Schottky	L351-30905
D2762	DIOZD 6V2 J 0W25 SOD323	L351-31062
D2771	DIOZD 5V6 J 0W25 SOD323	L351-31054
D2831	BAS316 SOD323	L351-27952
D2838	BAS316 SOD323	L351-27952
D2847	BAS316 SOD323	L351-27952
D2849	BAS316 SOD323	L351-27952
D2857	BAS316 SOD323	L351-27952
D2904	3,0A 40V SOD6 Schottky	L351-28529
D3113	DIOZD 12V0 J 0W25 SOD323	L351-31128
D3122	BAS316 SOD323	L351-27952
D3133	DIOZD 12V0 J 0W25 SOD323	L351-31128
D3656	3,0A 40V SOD6 Schottky	L351-28529
D3828	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	L351-16758
D3874	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	L351-16758
D3971	BAS316 SOD323	L351-27952
D3972	BAS316 SOD323	L351-27952
D4083	BAS316 SOD323	L351-27952
D4093	BAS316 SOD323	L351-27952
D4096	BAS316 SOD323	L351-27952
D4543	3,0A 40V SOD6 Schottky	L351-28529
D4712	BAS316 SOD323	L351-27952
D4801	0A5 20V SOD123 Schottky	L351-30905
D4802	DIOZD 5V6 J 0W25 SOD323	L351-31054
D4806	0A5 20V SOD123 Schottky	L351-30905
D4807	DIOZD 5V6 J 0W25 SOD323	L351-31054
D4851	BAS316 SOD323	L351-27952
D5024	3,0A 40V SOD6 Schottky	L351-28529
D5078	0A1 30V SOD323 Schottky	L351-31461
D5256	BAS316 SOD323	L351-27952
D5262	BAS316 SOD323	L351-27952
D5271	BAS316 SOD323	L351-27952

Signal Board — Art.-No. 89445.058-059

Item N°.	Description	List Part N°.
	SMD PARTS	
	Diodes	
D5281	BAS316 SOD323	L351-27952
D5467	1,0A 600V DO-214AC	L351-20547
	Transistors	
Q2081	BF799LK	L344-17798
Q2084	BC847BW SOT323	L344-27272
Q2086	BC847BW SOT323	L344-27272
Q2088	BC857BW SOT323	L344-28404
Q2091	BF799LK	L344-17798
Q2287	BC857BW SOT323	L344-28404
Q2292	BC857BW SOT323	L344-28404
Q2294	BC857BW SOT323	L344-28404
Q2297	BC857BW SOT323	L344-28404
Q2298	BC857BW SOT323	L344-28404
Q2702	BC847BW SOT323	L344-27272
Q2707	BC847BW SOT323	L344-27272
Q2733	BC847BW SOT323	L344-27272
Q2762	SN7002 SOT23 0A19 60V NCH	L344-29134
Q2764	SN7002 SOT23 0A19 60V NCH	L344-29134
Q2766	SN7002 SOT23 0A19 60V NCH	L344-29134
Q2768	SN7002 SOT23 0A19 60V NCH	L344-29134
Q2788	BC847BW SOT323	L344-27272
Q2817	BC847BW SOT323	L344-27272
Q2821	BC857BW SOT323	L344-28404
Q2826	SN7002 SOT23 0A19 60V NCH	L344-29134
Q2831	BC857BW SOT323	L344-28404
Q2838	BC847BW SOT323	L344-27272
Q2847	BC847BW SOT323	L344-27272
Q2849	BC847BW SOT323	L344-27272
Q2857	BC847BW SOT323	L344-27272
Q2859	BC847BW SOT323	L344-27272
Q2863	BC847BW SOT323	L344-27272
Q2867	BC847BW SOT323	L344-27272
Q2871	BC847BW SOT323	L344-27272
Q2883	BC847BW SOT323	L344-27272
Q2887	BC847BW SOT323	L344-27272
Q2891	BC847BW SOT323	L344-27272
Q2904	BC847BW SOT323	L344-27272
Q2978	BC847BW SOT323	L344-27272
Q2982	BC847BW SOT323	L344-27272
Q3028	BC857BW SOT323	L344-28404
Q3051	BC857BW SOT323	L344-28404
Q3057	BC847BW SOT323	L344-27272
Q3066	BC857BW SOT323	L344-28404
Q3068	BC857BW SOT323	L344-28404
Q3071	BC857BW SOT323	L344-28404
Q3078	BC847BW SOT323	L344-27272
Q3083	BC847BW SOT323	L344-27272
Q3093	BC847BW SOT323	L344-27272
Q3117	BC847BW SOT323	L344-27272
Q3118	BC847BW SOT323	L344-27272
Q3137	BC847BW SOT323	L344-27272
Q3138	BC847BW SOT323	L344-27272
	Transistors	
Q3416	SN7002 SOT23 0A19 60V NCH	L344-29134
Q3426	SN7002 SOT23 0A19 60V NCH	L344-29134

Signal Board — Art.-No. 89445.058-059

Item N°.	Description	List Part N°.
	SMD PARTS	
	Transistors	
Q3441	BC847BW SOT323	L344-27272
Q3443	BC847BW SOT323	L344-27272
Q3446	BC847BW SOT323	L344-27272
Q3448	BC847BW SOT323	L344-27272
Q3451	BC847BW SOT323	L344-27272
Q3456	BC847BW SOT323	L344-27272
Q3709	BC847BW SOT323	L344-27272
Q3724	BC847BW SOT323	L344-27272
Q3751	BC847BW SOT323	L344-27272
Q3811	BC857BW SOT323	L344-28404
Q3816	BC847BW SOT323	L344-27272
Q3818	BC857BW SOT323	L344-28404
Q3828	BC847BW SOT323	L344-27272
Q3852	BC847BW SOT323	L344-27272
Q3862	BC857BW SOT323	L344-28404
Q3872	BC847BW SOT323	L344-27272
Q3904	BC847BW SOT323	L344-27272
Q3906	BC857BW SOT323	L344-28404
Q3923	BC847BW SOT323	L344-27272
Q3927	BC847BW SOT323	L344-27272
Q3952	BC847BW SOT323	L344-27272
Q3962	BC847BW SOT323	L344-27272
Q3971	BC807-25 SOT23	L344-16064
Q3973	BC857BW SOT323	L344-28404
Q4017	BC847BW SOT323	L344-27272
Q4077	BC847BW SOT323	L344-27272
Q4083	BF799LK	L344-17798
Q4093	BF799LK	L344-17798
Q4103	BC847BW SOT323	L344-27272
Q4107	BC847BW SOT323	L344-27272
Q4113	BC847BW SOT323	L344-27272
Q4254	BC847BW SOT323	L344-27272
Q4322	BC847BW SOT323	L344-27272
Q4327	BC847BW SOT323	L344-27272
Q4336	BC847BW SOT323	L344-27272
Q5016	BC847BW SOT323	L344-27272
Q5256	BC857BW SOT323	L344-28404
Q5262	BC857BW SOT323	L344-28404
Q5267	BC857BW SOT323	L344-28404
Q5271	BSV52 SOT23	L344-16207
Q5281	BSV52 SOT23	L344-16207
Q5288	BC857BW SOT323	L344-28404
Q5291	BC847BW SOT323	L344-27272
Q5467	SI2302ADS MOSF.N-channel 1,25W SOT23	L344-28503
Q5471	BC847BW SOT323	L344-27272
Q5479	BC847BW SOT323	L344-27272
Q5481	BC847BW SOT323	L344-27272

IR Receiver/LED — Art.-No. 89476.050

Item N°.	Description	List Part N°.	Var.
	SOCKETS		
W6001	Contact Ledge vert. 6-pol. nat.	L326-20762	050
	DIODES		
D6007	Coupler LED bicolor SMD T677 red/green	L353-31002	050
I6002	Coupler IR receiver GP1UW261RK0F Sharp	L353-32616	050
	SMD PARTS		
D6001	DIOZD 6V2 J 0W25 SOD323	L351-31062	050
D6002	Diode BAS316 SOD323	L351-27952	050
D6003	Diode BAS316 SOD323	L351-27952	050
Q6010	Transistor BC847BW SOT323	L344-27272	050
Q6011	Transistor BC847BW SOT323	L344-27272	050
Q6013	Transistor BC857BW SOT323	L344-28404	050
Q6014	Transistor BC857BW SOT323	L344-28404	050

Control Unit Sharp GD7 — Art.-No. 89477.050

Item N°.	Description	List Part N°.	Var.
	SOCKETS		
W6002	Contact Ledge hor. 4-pol. nat.	L326-19787	050
W6003	Contact Ledge 3-pol. nat.	L326-26649	050
	SWITCHES		
W6014	Switch 2-pol. 0A2 30VDC	L467-32484	050
W6018	Switch horiz. 6x6 DTSA	L467-32483	050
W6019	Switch horiz. 6x6 DTSA	L467-32483	050
W6020	Switch horiz. 6x6 DTSA	L467-32483	050
W6021	Switch horiz. 6x6 DTSA	L467-32483	050
W6022	Switch horiz. 6x6 DTSA	L467-32483	050
	SMD PARTS		
D6001	Diode BAS316 SOD323	L351-27952	050
D6002	Diode DIOZD 6V2 J 0W25 SOD323	L351-31062	050
Q6002	Transistor BC847BW SOT323	L344-27272	050

PWB ASSY	REF NO.	PART NUMBER	DESCRIPTION	NOTE
		DUNTKD025VJ04	LCD Control Unit	
		DUNTKD165VJ05	Micro Processor Unit	LC32GA7L, LC32GS7L from 2142 sets
		DUNTKD165VJ02	Micro Processor Unit	LC32GS7L 1 to 2141 sets
		RUNTKA144WJZZ	Inverter A Unit	
		RUNTKA145WJZZ	Inverter B Unit	
		RUNTKA146WJZZ	Inverter GND Unit	
LCDCONTROL UNIT				
IC				
	IC4101	VHiBD8133FV-1Y	Bd8133Fv-E2	
	IC4102	VHiNJM4580V-1Y	Njm4580V	
	IC4104	RH-iXB332WJZZY	I.C.	
	IC4107	VHiLP2951CM-1Y	Lp2951Cmx	
	IC4501	RH-iXB410WJZZY	I.C.	
	IC4502	RH-iXB326WJZZQ	Ixb326	
	IC4503	RH-iXB029WJZZQ	Mt48Lc2M32B2P6	
	IC4601	VHiDS90C386-1Y	Ds90Cf386Mtdx	
	IC4603	VHiT7WH123U-1Y	Tc7Wh123Fu	
	IC4901	RH-iXB420WJZZY	I.C.	
	IC4902	VHiLM8261++-1Y	Lm8261M5X	
	IC4903	VHiLM8261++-1Y	Lm8261M5X	
	IC7702	VHiPQ025EZ5-1Y	Pq025Ez5Mzp	
	IC7704	VHiPQ033EZ1-1Y	Pq033Ez01Zp	
TRANSITOR				
	Q4101	VS2SD1664Q+-1Y	2SD1664Q	
	Q4105	VSTP0610T++-1Y	TP0610T	
	Q4106	VS2SC3928AR-1Y	2SC3928AR	
	Q4108	VS2SK1826++-1Y	2SK1826	
	Q4109	VS2SK1826++-1Y	2SK1826	
	Q4112	VS2SB1132Q/-1Y	2SB1132Q	
	Q4113	VS2SK1826++-1Y	2SK1826	
	Q4114	VS2SK1826++-1Y	2SK1826	
	Q4115	VSDTC144EE/-1Y	DTC144EE	
	Q4116	VSDTC144EE/-1Y	DTC144EE	
	Q4901	VS2SD1664Q+-1Y	2SD1664Q	
	Q4902	VS2SB1132Q/-1Y	2SB1132Q	
	Q4903	VS2SD1664Q+-1Y	2SD1664Q	
	Q4904	VS2SB1132Q/-1Y	2SB1132Q	
	Q4905	VS2SD1664Q+-1Y	2SD1664Q	
	Q4906	VS2SB1132Q/-1Y	2SB1132Q	
	Q4907	VS2SD1664Q+-1Y	2SD1664Q	
	Q4908	VS2SB1132Q/-1Y	2SB1132Q	
	Q4909	VSQS6M4++++-1Y	QS6M4	
	Q4910	VSQS6M4++++-1Y	QS6M4	
	Q4911	VSQS6M4++++-1Y	QS6M4	
	Q4912	VSQS6M4++++-1Y	QS6M4	
	Q4913	VSQS6M4++++-1Y	QS6M4	
	Q4914	VSQS6M4++++-1Y	QS6M4	
	Q4915	VSQS6M4++++-1Y	QS6M4	
	Q4916	VSQS6M4++++-1Y	QS6M4	
	Q4917	VSQS6M4++++-1Y	QS6M4	
	Q4918	VSQS6M4++++-1Y	QS6M4	
	Q4919	VSDTC144EE/-1Y	DTC144EE	
DIODE				
	D4101	VHDLi114+++-1Y	Diode	
	D4102	VHDLi114+++-1Y	Diode	
	D4103	VHDLi124+++-1Y	Diode	

REF NO.	PART NUMBER	DESCRIPTION
PWB ASSY		
	DUNTKD025VJ03	LCD Control Unit
	DUNTKD165VJ04	Micro Processor Unit
	RUNTKA142WJZZ	Inverter Unit
	RUNTKA143WJZZ	Inverter GND Unit
LCDCONTROL UNIT		
IC		
IC4101	VHiBD8133FV-1Y	Bd8133Fv-E2
IC4102	VHiNJM4580V-1Y	Njm4580V
IC4104	RH-iXB332WJZZY	I.C.
IC4107	VHiLP2951CM-1Y	Lp2951Cmx
IC4501	RH-iXB409WJZZY	I.C.
IC4502	RH-iXB326WJZZQ	Ixb326
IC4503	RH-iXB029WJZZQ	Mt48Lc2M32B2P6
IC4601	VHiDS90C386-1Y	Ds90Cf386Mtdx
IC4603	VHiT7WH123U-1Y	Tc7Wh123Fu
IC4901	RH-iXB420WJZZY	I.C.
IC4902	VHiLM8261++-1Y	Lm8261M5X
IC4903	VHiLM8261++-1Y	Lm8261M5X
IC7702	VHiPQ025EZ5-1Y	Pq025Ez5Mzp
IC7704	VHiPQ033EZ1-1Y	Pq033Ez01Zp
TRANSITOR		
Q4101	VS2SD1664Q+-1Y	2SD1664Q
Q4105	VSTP0610T++-1Y	TP0610T
Q4106	VS2SC3928AR-1Y	2SC3928AR
Q4108	VS2SK1826++-1Y	2SK1826
Q4109	VS2SK1826++-1Y	2SK1826
Q4112	VS2SB1132Q/-1Y	2SB1132Q
Q4113	VS2SK1826++-1Y	2SK1826
Q4114	VS2SK1826++-1Y	2SK1826
Q4115	VSDTC144EE/-1Y	DTC144EE
Q4116	VSDTC144EE/-1Y	DTC144EE
Q4901	VS2SD1664Q+-1Y	2SD1664Q
Q4902	VS2SB1132Q/-1Y	2SB1132Q
Q4903	VS2SD1664Q+-1Y	2SD1664Q
Q4904	VS2SB1132Q/-1Y	2SB1132Q
Q4905	VS2SD1664Q+-1Y	2SD1664Q
Q4906	VS2SB1132Q/-1Y	2SB1132Q
Q4907	VS2SD1664Q+-1Y	2SD1664Q
Q4908	VS2SB1132Q/-1Y	2SB1132Q
Q4909	VSQS6M4++++-1Y	QS6M4
Q4910	VSQS6M4++++-1Y	QS6M4
Q4911	VSQS6M4++++-1Y	QS6M4
Q4912	VSQS6M4++++-1Y	QS6M4
Q4913	VSQS6M4++++-1Y	QS6M4
Q4914	VSQS6M4++++-1Y	QS6M4
Q4915	VSQS6M4++++-1Y	QS6M4
Q4916	VSQS6M4++++-1Y	QS6M4
Q4917	VSQS6M4++++-1Y	QS6M4
Q4918	VSQS6M4++++-1Y	QS6M4
Q4919	VSDTC144EE/-1Y	DTC144EE

	REF NO.	PART NUMBER	DESCRIPTION
DIODE			
	D4101	VHDLi114+++-1Y	Diode
	D4102	VHDLi114+++-1Y	Diode
	D4103	VHDLi124+++-1Y	Diode
	D4104	VHDLi114+++-1Y	Diode
	D4105	VHDLi124+++-1Y	Diode
	D4106	RH-EX1274CEZZY	Zener Diode
	D4901	VHDRB521S30-1Y	Diode
	D4902	VHDRB521S30-1Y	Diode
	D4903	VHDRB521S30-1Y	Diode
	D4904	VHDRB521S30-1Y	Diode
	D4905	VHDRB521S30-1Y	Diode
	D4906	VHDRB521S30-1Y	Diode
	D4907	VHDRB521S30-1Y	Diode
	D4908	VHDRB521S30-1Y	Diode
	D4909	VHDRB521S30-1Y	Diode
	D4910	VHDRB521S30-1Y	Diode
	D7701	VHDHSU119//-1Y	Diode
	D7705	VHDHSU119//-1Y	Diode
PACKAGED CIRCUITS			
	X4501	RCRUAA048WJZZY	Crystal
FILTER AND COIL			
	FL4651	RFiLNA002WJZZY	Filter
	FL4652	RFiLNA002WJZZY	Filter
	FL4653	RFiLNA002WJZZY	Filter
	FL4654	RFiLNA002WJZZY	Filter
	L4101	RCiLPA296WJZZY	Coil
	L4102	RCiLP0343TAZZY	Coil
	L4103	RCiLP0343TAZZY	Coil
	L4104	RCiLP0271TAZZY	Coil
	L4105	VPD9M4R7J1R4NY	Peaking 4.7?H 5%
	L4106	RCiLP0343TAZZY	Coil
	L4107	RCiLP0343TAZZY	Coil
	L4110	VPD9M4R7J1R4NY	Peaking 4.7?H 5%
CAPACITOR			
	C4101	VCKYCY1EF104ZY	0.1 25V Ceramic
	C4102	VCKYCY1EF104ZY	0.1 25V Ceramic
	C4103	VCKYCY1EF104ZY	0.1 25V Ceramic
	C4104	VCKYCY1EF104ZY	0.1 25V Ceramic
	C4105	VCKYCY1EF104ZY	0.1 25V Ceramic
	C4106	RC-KZA107WJZZY	Capacitor
	C4107	VCKYCY1HB102KY	1000p 50V Ceramic
	C4108	RC-KZA107WJZZY	Capacitor
	C4109	VCCCCY1HH680JY	68p 50V Ceramic
	C4110	RC-KZA107WJZZY	Capacitor
	C4111	RC-KZA110WJZZY	Capacitor
	C4112	VCKYCY1EF104ZY	0.1 25V Ceramic
	C4113	RC-KZA110WJZZY	Capacitor
	C4114	RC-KZA114WJZZY	Capacitor
	C4115	RC-KZA114WJZZY	Capacitor
	C4116	RC-KZA114WJZZY	Capacitor
	C4117	RC-KZA114WJZZY	Capacitor
	C4118	RC-KZA114WJZZY	Capacitor
	C4119	RC-KZA114WJZZY	Capacitor
	C4120	RC-KZA114WJZZY	Capacitor

REF NO.	PART NUMBER	DESCRIPTION
C4121	RC-KZA114WJZZY	Capacitor
C4122	RC-KZA114WJZZY	Capacitor
C4123	RC-KZA114WJZZY	Capacitor
C4124	RC-KZA114WJZZY	Capacitor
C4125	RC-KZA114WJZZY	Capacitor
C4126	RC-KZA114WJZZY	Capacitor
C4127	RC-KZA114WJZZY	Capacitor
C4128	RC-KZA114WJZZY	Capacitor
C4129	RC-KZA114WJZZY	Capacitor
C4130	RC-KZA114WJZZY	Capacitor
C4131	RC-KZA114WJZZY	Capacitor
C4141	VCCCCY1HH101JY	100p 50V Ceramic
C4142	VCKYCY1HB222KY	2200p 50V Ceramic
C4143	VCCCCY1HH101JY	100p 50V Ceramic
C4144	VCKYCY1HB222KY	2200p 50V Ceramic
C4145	VCCCCY1HH100DY	10p 50V Ceramic
C4146	VCCCCY1HH101JY	100p 50V Ceramic
C4147	VCCCCY1HH681JY	680p 50V Ceramic
C4148	VCCCCY1HH101JY	100p 50V Ceramic
C4149	VCKYCY1HB222KY	2200p 50V Ceramic
C4150	VCKYCY1CF224ZY	0.22 16V Ceramic
C4151	RC-KZ0053TAZZY	Capacitor
C4152	VCEASY1CN477MY	470 16V Electrolytic
C4153	VCKYCY1EF104ZY	0.1 25V Ceramic
C4154	VCEASY1EN227MY	220 25V Electrolytic
C4155	RC-KZA110WJZZY	Capacitor
C4156	VCKYCY1HB102KY	1000p 50V Ceramic
C4157	VCKYCY1HB102KY	1000p 50V Ceramic
C4158	VCKYCY1CF474ZY	0.47 16V Ceramic
C4159	RC-KZ0053TAZZY	Capacitor
C4160	VCEASY1HN106MY	10 50V Electrolytic
C4161	RC-KZA047WJZZY	Capacitor
C4162	RC-KZ0070TAZZY	Capacitor
C4163	RC-KZA047WJZZY	Capacitor
C4164	VCEASY1EN227MY	220 25V Electrolytic
C4165	RC-KZA110WJZZY	Capacitor
C4166	RC-KZA047WJZZY	Capacitor
C4168	RC-KZA083WJZZY	Capacitor
C4176	VCKYCY1EF104ZY	0.1 25V Ceramic
C4192	VCKYCY1HB152KY	1500p 50V Ceramic
C4195	VCKYCY1EF104ZY	0.1 25V Ceramic
C4197	VCKYCY1EF104ZY	0.1 25V Ceramic
C4198	VCKYCY1EF104ZY	0.1 25V Ceramic
C4199	RC-KZA047WJZZY	Capacitor
C4501	VCKYCY1EF104ZY	0.1 25V Ceramic
C4502	VCKYCY1EF104ZY	0.1 25V Ceramic
C4503	VCKYCY1EF104ZY	0.1 25V Ceramic
C4504	VCKYCY1EF104ZY	0.1 25V Ceramic
C4505	VCKYCY1EF104ZY	0.1 25V Ceramic
C4506	VCKYCY1HB103KY	0.01 50V Ceramic
C4507	VCKYCY1EF104ZY	0.1 25V Ceramic
C4508	VCKYCY1EF104ZY	0.1 25V Ceramic
C4509	VCKYCY1EF104ZY	0.1 25V Ceramic
C4510	VCKYCY1EF104ZY	0.1 25V Ceramic
C4511	VCKYCY1HB103KY	0.01 50V Ceramic

REF NO.	PART NUMBER	DESCRIPTION
C4512	VCKYCY1EF104ZY	0.1 25V Ceramic
C4513	VCKYCY1EF104ZY	0.1 25V Ceramic
C4514	VCKYCY1EF104ZY	0.1 25V Ceramic
C4515	VCKYCY1EF104ZY	0.1 25V Ceramic
C4516	VCKYCY1HB103KY	0.01 50V Ceramic
C4517	VCKYCY1EF104ZY	0.1 25V Ceramic
C4518	VCKYCY1EF104ZY	0.1 25V Ceramic
C4519	VCKYCY1EF104ZY	0.1 25V Ceramic
C4520	VCKYCY1EF104ZY	0.1 25V Ceramic
C4521	VCKYCY1HB103KY	0.01 50V Ceramic
C4522	VCKYCY1EF104ZY	0.1 25V Ceramic
C4523	VCKYCY1EF104ZY	0.1 25V Ceramic
C4524	VCKYCY1EF104ZY	0.1 25V Ceramic
C4525	VCKYCY1EF104ZY	0.1 25V Ceramic
C4526	VCKYCY1EF104ZY	0.1 25V Ceramic
C4527	RC-KZ0070TAZZY	Capacitor
C4528	VCKYCY1HB103KY	0.01 50V Ceramic
C4529	RC-KZ0070TAZZY	Capacitor
C4530	VCKYCY1HB103KY	0.01 50V Ceramic
C4531	RC-KZ0070TAZZY	Capacitor
C4532	VCKYCY1HB103KY	0.01 50V Ceramic
C4533	RC-KZ0070TAZZY	Capacitor
C4534	VCKYCY1HB103KY	0.01 50V Ceramic
C4535	VCKYCY1HB103KY	0.01 50V Ceramic
C4537	VCKYCY1HB102KY	1000p 50V Ceramic
C4538	VCKYCY1EF104ZY	0.1 25V Ceramic
C4602	VCKYCY1EF104ZY	0.1 25V Ceramic
C4603	VCKYCY1EF104ZY	0.1 25V Ceramic
C4604	VCKYCY1HB102KY	1000p 50V Ceramic
C4605	VCKYCY1HB102KY	1000p 50V Ceramic
C4606	VCKYCY1EF104ZY	0.1 25V Ceramic
C4607	VCKYCY1EF104ZY	0.1 25V Ceramic
C4608	VCKYCY1EF104ZY	0.1 25V Ceramic
C4609	VCKYCY1EF104ZY	0.1 25V Ceramic
C4610	RC-KZ0070TAZZY	Capacitor
C4622	VCKYCY1HB102KY	1000p 50V Ceramic
C4623	VCKYCY1EF104ZY	0.1 25V Ceramic
C4651	VCAAPF0JJ107MY	100 6.3V Electrolytic
C4652	VCKYCY1EF104ZY	0.1 25V Ceramic
C4653	VCAAPC1DJ226MY	22 20V Electrolytic
C4654	VCKYCY1EF104ZY	0.1 25V Ceramic
C4655	VCAAPF0JJ107MY	100 6.3V Electrolytic
C4656	VCKYCY1EF104ZY	0.1 25V Ceramic
C4657	VCAAPC1DJ226MY	22 20V Electrolytic
C4658	VCKYCY1EF104ZY	0.1 25V Ceramic
C4659	RC-KZ0070TAZZY	Capacitor
C4660	RC-KZA110WJZZY	Capacitor
C4661	RC-KZ0070TAZZY	Capacitor
C4662	RC-KZA110WJZZY	Capacitor
C4901	VCKYCY1EF104ZY	0.1 25V Ceramic
C4902	VCKYCY1EF104ZY	0.1 25V Ceramic
C4903	VCCCCY1HH680JY	68p 50V Ceramic
C4904	RC-KZA106WJZZY	Capacitor
C4905	RC-KZA109WJZZY	10 16V Ceramic
C4906	RC-KZA109WJZZY	10 16V Ceramic

REF NO.	PART NUMBER	DESCRIPTION
C4907	VCKYCY1EF104ZY	0.1 25V Ceramic
C4908	VCCCCY1HH680JY	68p 50V Ceramic
C4909	RC-KZA106WJZZY	Capacitor
C4910	RC-KZA109WJZZY	10 16V Ceramic
C4911	RC-KZA109WJZZY	10 16V Ceramic
C4912	RC-KZA106WJZZY	Capacitor
C4913	VCKYCY1EF104ZY	0.1 25V Ceramic
C4914	VCKYCY1HB103KY	0.01 50V Ceramic
C4915	VCKYCY1HB103KY	0.01 50V Ceramic
C4916	VCKYCY1EF104ZY	0.1 25V Ceramic
C4917	VCKYCY1EF104ZY	0.1 25V Ceramic
C4918	VCKYCY1EF104ZY	0.1 25V Ceramic
C4919	VCKYCY1EF104ZY	0.1 25V Ceramic
C4920	VCKYCY1HB103KY	0.01 50V Ceramic
C4921	VCKYCY1HB103KY	0.01 50V Ceramic
C4922	VCKYCY1EF104ZY	0.1 25V Ceramic
C4923	VCKYCY1EF104ZY	0.1 25V Ceramic
C4924	VCKYCY1EF104ZY	0.1 25V Ceramic
C4925	VCKYCY1EF104ZY	0.1 25V Ceramic
C4926	VCKYCY1HB103KY	0.01 50V Ceramic
C4927	VCKYCY1HB103KY	0.01 50V Ceramic
C4928	VCKYCY1EF104ZY	0.1 25V Ceramic
C4929	VCKYCY1EF104ZY	0.1 25V Ceramic
C4930	VCKYCY1EF104ZY	0.1 25V Ceramic
C4931	VCKYCY1HB103KY	0.01 50V Ceramic
C4932	VCKYCY1HB103KY	0.01 50V Ceramic
C4933	VCKYCY1EF104ZY	0.1 25V Ceramic
C4934	VCKYCY1EF104ZY	0.1 25V Ceramic
C4935	VCKYCY1EF104ZY	0.1 25V Ceramic
C4936	VCKYCY1EF104ZY	0.1 25V Ceramic
C4937	VCKYCY1EF104ZY	0.1 25V Ceramic
C4938	VCKYCY1HB103KY	0.01 50V Ceramic
C4939	VCKYCY1HB103KY	0.01 50V Ceramic
C4940	VCKYCY1EF104ZY	0.1 25V Ceramic
C4941	VCKYCY1EF104ZY	0.1 25V Ceramic
C4942	VCKYCY1EF104ZY	0.1 25V Ceramic
C7702	VCKYCY1EF104ZY	0.1 25V Ceramic
C7703	VCEASY0JN476MY	47 6.3V Electrolytic
C7704	VCKYCY1HB103KY	0.01 50V Ceramic
C7707	VCEASY1CN226MY	22 16V Electrolytic
C7713	VCKYCY1EF104ZY	0.1 25V Ceramic
C7723	VCEASY0JN476MY	47 6.3V Electrolytic
C7725	VCKYCY1EF104ZY	0.1 25V Ceramic
RESISTOR		
R4101	VRS-CY1JF102FY	1.0k 1/16W 1% Metal Oxide
R4102	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4103	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4104	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R4105	VRS-TW2ED331JY	330 1/4W 5% Metal Oxide
R4106	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R4107	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R4108	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4109	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4110	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4111	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide

REF NO.	PART NUMBER	DESCRIPTION
R4112	VRS-CY1JF153FY	15k 1/16W 1% Metal Oxide
R4113	VRS-CY1JF330JY	33 1/16W 5% Metal Oxide
R4114	VRS-CY1JF000JY	00 1/16W 5% Metal Oxide
R4116	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R4118	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4119	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4120	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R4121	VRS-CY1JF332FY	3.3k 1/16W 1% Metal Oxide
R4122	VRS-CY1JF682FY	6.8k 1/16W 1% Metal Oxide
R4123	VRS-CY1JF332FY	3.3k 1/16W 1% Metal Oxide
R4124	VRS-CY1JF392FY	3.9k 1/16W 1% Metal Oxide
R4125	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4126	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4127	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4128	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4129	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4130	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4131	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4132	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4133	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4134	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4135	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4136	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4137	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4138	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4140	VRS-CY1JF000JY	0 1/16W 5% Metal Oxide
R4142	VRS-CY1JF000JY	0 1/16W 5% Metal Oxide
R4143	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4144	VRS-CY1JF102JY	1.0k 1/16W 5% Metal Oxide
R4145	VRS-CY1JF102JY	1.0k 1/16W 5% Metal Oxide
R4146	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4147	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4148	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4149	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4150	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4151	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4152	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4153	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4154	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4155	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4156	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4157	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4158	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4159	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4160	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4161	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4162	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4163	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4206	VRS-TV1JD102JY	1.0k 1/10W 5% Metal Oxide
R4220	VRS-CY1JF114FY	110k 1/16W 1% Metal Oxide
R4221	VRS-CY1JF822FY	8.2k 1/16W 1% Metal Oxide
R4222	VRS-TW2ED562JY	5.6k 1/4W 5% Metal Oxide
R4223	VRS-CY1JF183JY	18k 1/16W 5% Metal Oxide
R4224	VRS-TV1JD222JY	2.2k 1/10W 5% Metal Oxide
R4225	VRS-CY1JF682JY	6.8k 1/16W 5% Metal Oxide

REF NO.	PART NUMBER	DESCRIPTION
R4226	VRS-TV1JD222JY	2.2k 1/10W 5% Metal Oxide
R4227	VRS-TW2ED821JY	820 1/4W 5% Metal Oxide
R4228	VRS-CY1JF103FY	10k 1/16W 1% Metal Oxide
R4229	VRS-CY1JF103FY	10k 1/16W 1% Metal Oxide
R4230	VRS-CY1JF103FY	10k 1/16W 1% Metal Oxide
R4231	VRS-CY1JF473FY	47k 1/16W 1% Metal Oxide
R4232	VRS-CY1JF102FY	1.0k 1/16W 1% Metal Oxide
R4233	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R4234	VRS-CY1JF273JY	27k 1/16W 5% Metal Oxide
R4235	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R4236	VRS-CY1JF133JY	13k 1/16W 5% Metal Oxide
R4237	VRS-CY1JF163FY	16k 1/16W 1% Metal Oxide
R4238	VRS-CY1JF511FY	510 1/16W 1% Metal Oxide
R4239	VRS-CY1JF244FY	240k 1/16W 1% Metal Oxide
R4240	VRS-CY1JF243FY	24k 1/16W 1% Metal Oxide
R4241	VRS-TV1JD101JY	100 1/10W 5% Metal Oxide
R4243	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R4244	VRS-TW2ED562JY	5.6k 1/4W 5% Metal Oxide
R4256	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R4261	VRS-TW2ED101JY	100 1/4W 5% Metal Oxide
R4262	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R4263	VRS-CY1JF330JY	33 1/16W 5% Metal Oxide
R4264	VRS-TW2ED101JY	100 1/4W 5% Metal Oxide
R4270	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R4271	VRS-CY1JF911FY	910 1/16W 1% Metal Oxide
R4272	VRS-CY1JF243FY	24k 1/16W 1% Metal Oxide
R4274	VRS-TV1JD000JY	00 1/10W 5% Metal Oxide
R4293	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4501	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4502	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4503	VRS-CY1JF472JY	4.7k 1/16W 5% Metal Oxide
R4504	VRS-CH1JF100JY	10 1/16W 5% Metal Oxide
R4505	VRS-CJ1JF330JY	33 1/16W 5% Metal Oxide
R4506	VRS-CH1JF100JY	10 1/16W 5% Metal Oxide
R4507	VRS-CJ1JF330JY	33 1/16W 5% Metal Oxide
R4508	VRS-CH1JF100JY	10 1/16W 5% Metal Oxide
R4509	VRS-CJ1JF330JY	33 1/16W 5% Metal Oxide
R4510	VRS-CY1JF133FY	13k 1/16W 1% Metal Oxide
R4511	VRS-CJ1JF330JY	33 1/16W 5% Metal Oxide
R4512	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4513	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4514	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4515	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4516	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4517	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4518	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4519	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4520	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4521	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4522	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4523	VRS-CY1JF472JY	4.7k 1/16W 5% Metal Oxide
R4524	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4525	VRS-CH1JF390JY	39 1/16W 5% Metal Oxide
R4526	VRS-CY1JF390JY	39 1/16W 5% Metal Oxide
R4527	VRS-CY1JF473JY	47k 1/16W 5% Metal Oxide

REF NO.	PART NUMBER	DESCRIPTION
R4528	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4529	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4530	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4531	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4532	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4533	VRS-CY1JF472JY	4.7k 1/16W 5% Metal Oxide
R4534	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R4536	VRS-CY1JF000JY	0 1/16W 5% Metal Oxide
R4537	VRS-CY1JF000JY	0 1/16W 5% Metal Oxide
R4538	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R4601	VRS-CY1JF101FY	100 1/16W 1% Metal Oxide
R4602	VRS-CY1JF101FY	100 1/16W 1% Metal Oxide
R4603	VRS-CY1JF101FY	100 1/16W 1% Metal Oxide
R4604	VRS-CY1JF101FY	100 1/16W 1% Metal Oxide
R4605	VRS-CY1JF101FY	100 1/16W 1% Metal Oxide
R4607	VRS-CY1JF330JY	33 1/16W 5% Metal Oxide
R4608	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4609	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4610	VRS-CY1JF391JY	390 1/16W 5% Metal Oxide
R4619	VRS-CY1JF273JY	27k 1/16W 5% Metal Oxide
R4901	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4902	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4903	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4904	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4905	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4907	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R4909	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R4916	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4917	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4918	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4924	VRS-CY1JF334JY	330k 1/16W 5% Metal Oxide
R4925	VRS-CY1JF330JY	33 1/16W 5% Metal Oxide
R4926	VRS-CY1JF102JY	1.0k 1/16W 5% Metal Oxide
R4928	VRS-CY1JF334JY	330k 1/16W 5% Metal Oxide
R4929	VRS-CY1JF330JY	33 1/16W 5% Metal Oxide
R4930	VRS-CY1JF102JY	1.0k 1/16W 5% Metal Oxide
R4931	VRS-CY1JF514JY	510k 1/16W 5% Metal Oxide
R4932	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4933	VRS-CY1JF514JY	510k 1/16W 5% Metal Oxide
R4934	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4935	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4936	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4937	VRS-CY1JF514JY	510k 1/16W 5% Metal Oxide
R4938	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4939	VRS-CY1JF514JY	510k 1/16W 5% Metal Oxide
R4940	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4941	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4942	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4943	VRS-CY1JF514JY	510k 1/16W 5% Metal Oxide
R4944	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4945	VRS-CY1JF514JY	510k 1/16W 5% Metal Oxide
R4946	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4947	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4948	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4949	VRS-CY1JF514JY	510k 1/16W 5% Metal Oxide

REF NO.	PART NUMBER	DESCRIPTION
R4950	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4951	VRS-CY1JF514JY	510k 1/16W 5% Metal Oxide
R4952	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4953	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4954	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4955	VRS-CY1JF514JY	510k 1/16W 5% Metal Oxide
R4956	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4957	VRS-CY1JF514JY	510k 1/16W 5% Metal Oxide
R4958	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4959	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R4960	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R7707	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R7708	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R7713	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R7714	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R7715	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R7718	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R7719	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R7720	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R7721	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R7722	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R7723	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R7724	VRS-TV1JD000JY	0 1/10W 5% Metal Oxide
MISCELLANEOUS PARTS		
FB4501	RBLN-0210TAZZY	Ferrite Bead
FB4502	RBLN-0210TAZZY	Ferrite Bead
FB4503	RBLN-0210TAZZY	Ferrite Bead
FB4504	RBLN-0210TAZZY	Ferrite Bead
FB4505	RBLN-A005WJZZY	Ferrite Bead
FB4601	RBLN-0210TAZZY	Ferrite Bead
FB4602	RBLN-0210TAZZY	Ferrite Bead
FB4603	RBLN-0210TAZZY	Ferrite Bead
FB7701	RBLN-A005WJZZY	Ferrite Bead
FB7702	RBLN-A005WJZZY	Ferrite Bead
FB7704	RBLN-A005WJZZY	Ferrite Bead
FB7705	RBLN-A005WJZZY	Ferrite Bead
P7701	QPLGNA176WJZZY	Plug
P7703	QPLGNA174WJZZY	Plug
SC4601	QSOCNA426WJZZY	Socket
SC4651	QSOCNA222WJZZY	Socket
SC4652	QSOCNA222WJZZY	Socket
LUG7702	QLUGHA006WJZZY	Lug
LUG7703	QLUGHA006WJZZY	Lug
LUG7704	QLUGHA006WJZZY	Lug
LUG7705	QLUGHA006WJZZY	Lug
LUG7706	QLUGHA006WJZZY	Lug

REF NO.	PART NUMBER	DESCRIPTION
Micro Processor Unit		
IC		
IC2301	RH-iXB345WJZZQ	Hd64F36049Hv
IC2302	VHiBD4729G+-1Y	Bd4729G-Tr
IC2303	VHiBR24L08F-1Y	Br24L08F-We2
IC2305	VHiTCVT244AFTY	Tc74Vhct244Aft
IC2306	VHiBD5224G+-1Y	Bd5224G-Tr
IC2307	VHiLVX125FT-1Y	Tc74Lvx125Ft
IC2308	VHiTC7SH08U-1Y	Tc7Sh08Fu
IC5701	VHiBD4746G+-1Y	Bd4746G-Tr
IC5702	VHiPQ1L503M-1Y	Pq1L503M2Sp
IC5703	VHiPQ1CZ21H-1Y	Pq1Cz21H2Zp
IC5704	VHiBA033FP/-1Y	Ba033Fp-E2
TRANSITOR		
Q2301	VSDTC144EE/-1Y	TC144EE
Q2302	VSDTC144EE/-1Y	TC144EE
Q2303	VSDTC144EE/-1Y	TC144EE
DIODE		
D5701	VHDSFPB54//2EY	Diode
PACKAGED CIRCUIT		
X2301	RCRSC0032TAZZY	Crystal
FILTER AND COIL		
FL2301	RFiLZ0169TAZZY	Filter
L5701	RCiLP0344TAZZY	Coil
L5702	RCiLP0343TAZZY	Coil
L5703	RCiLP0305TAZZY	Coil
CAPACITOR		
C2301	VCKYCY1EF104ZY	0.1 25V Ceramic
C2302	VCCCCY1HH220JY	22p 50V Ceramic
C2303	VCCCCY1HH220JY	22p 50V Ceramic
C2304	VCKYCY1EF104ZY	0.1 25V Ceramic
C2305	VCKYCY1EF104ZY	0.1 25V Ceramic
C2306	VCKYCY1HB102KY	1000p 50V Ceramic
C2307	VCKYCY1HB102KY	1000p 50V Ceramic
C2308	VCKYCY1EF104ZY	0.1 25V Ceramic
C2309	VCKYCY1HB103KY	0.01 50V Ceramic
C2310	VCKYCY1HB102KY	1000p 50V Ceramic
C2311	VCKYCY1HB102KY	1000p 50V Ceramic
C2312	VCKYCY1EF104ZY	0.1 25V Ceramic
C2313	VCKYCY1HB102KY	1000p 50V Ceramic
C2314	VCKYCY1EF104ZY	0.1 25V Ceramic
C2317	RC-KZA117WJZZY	Capacitor
C2318	VCKYCY1EF104ZY	0.1 25V Ceramic
C2319	VCKYCY1HB152KY	1500p 50V Ceramic
C2320	VCKYCY1EF104ZY	0.1 25V Ceramic
C2321	VCKYCY1EF104ZY	0.1 25V Ceramic
C2322	VCKYCY1EF104ZY	0.1 25V Ceramic
C5701	VCKYCY1EF104ZY	0.1 25V Ceramic
C5702	VCKYCY1EF104ZY	0.1 25V Ceramic
C5703	VCKYCY1HB103KY	0.01 50V Ceramic
C5704	VCEASY1CN107MY	100 16V Electrolytic
C5705	VCEASY1CN107MY	100 16V Electrolytic
C5706	VCKYCY1EF104ZY	0.1 25V Ceramic
C5707	VCKYCY1EF104ZY	0.1 25V Ceramic
C5708	VCEASX1CN226MY	22 16V Electrolytic

REF NO.	PART NUMBER	DESCRIPTION
C5709	VCKYCY1EF104ZY	0.1 25V Ceramic
C5710	VCCCCY1HH681JY	680p 50V Ceramic
C5711	VCEASY1EN477MY	470 25V Electrolytic
C5712	VCEASY1CN107MY	100 16V Electrolytic
C5713	VCKYCY1EF104ZY	0.1 25V Ceramic
C5727	VCAAPF1DJ826MY	82 20V Electrolytic
C5734	VCKYCY1EF104ZY	0.1 25V Ceramic
RESISTOR		
R2302	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2303	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2305	VRS-CY1JF394JY	390k 1/16W 5% Metal Oxide
R2306	VRS-CY1JF106JY	10 M 1/16W 5% Metal Oxide
R2307	VRS-CY1JF105JY	1 M 1/16W 5% Metal Oxide
R2308	VRS-CH1JF100JY	10 1/16W 5% Metal Oxide
R2310	VRS-CY1JF000JY	0 1/16W 5% Metal Oxide
R2311	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2312	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2313	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2316	VRS-CY1JF272JY	2.7k 1/16W 5% Metal Oxide
R2317	VRS-CY1JF683JY	68k 1/16W 5% Metal Oxide
R2318	VRS-TV1JD000JY	0 1/10W 5% Metal Oxide
R2319	VRS-CY1JF102JY	1k 1/16W 5% Metal Oxide
R2320	VRS-CY1JF333JY	33k 1/16W 5% Metal Oxide
R2321	VRS-CJ1JF100JY	10 1/16W 5% Metal Oxide
R2322	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2323	VRS-CY1JF000JY	0 1/16W 5% Metal Oxide
R2324	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2325	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R2326	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2327	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2328	VRS-CJ1JF101JY	100 1/16W 5% Metal Oxide
R2329	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2330	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R2331	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R2332	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2333	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R2334	VRS-CY1JF683JY	68k 1/16W 5% Metal Oxide
R2335	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2336	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2337	VRS-CY1JF683JY	68k 1/16W 5% Metal Oxide
R2338	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2339	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2340	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2342	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2343	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2344	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2346	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2347	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2348	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R2349	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2350	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2351	VRS-CJ1JF100JY	10 1/16W 5% Metal Oxide
R2352	VRS-CH1JF100JY	10 1/16W 5% Metal Oxide
R2353	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R2354	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide

REF NO.	PART NUMBER	DESCRIPTION
R2355	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R2357	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2358	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2359	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R2360	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2361	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R2362	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2363	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R2364	VRS-CY1JF102JY	1k 1/16W 5% Metal Oxide
R2365	VRS-CJ1JF333JY	33k 1/16W 5% Metal Oxide
R2366	VRS-CY1JF102JY	1k 1/16W 5% Metal Oxide
R2368	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2369	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2371	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2373	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2374	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2375	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R2376	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R2377	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R2380	VRS-CY1JF102JY	1k 1/16W 5% Metal Oxide
R2381	VRS-CY1JF102JY	1k 1/16W 5% Metal Oxide
R2382	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R2383	VRS-CY1JF104JY	100k 1/16W 5% Metal Oxide
R2387	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2388	VRS-CY1JF100JY	10 1/16W 5% Metal Oxide
R2389	VRS-CY1JF223JY	22k 1/16W 5% Metal Oxide
R3203	VRS-TV1JD000JY	0 1/10W 5% Metal Oxide
R3204	VRS-TV1JD000JY	0 1/10W 5% Metal Oxide
R5702	VRS-CY1JF153FY	15k 1/16W 1% Metal Oxide
R5703	VRS-CY1JF103FY	10k 1/16W 1% Metal Oxide
R5704	VRS-CY1JF472JY	4.7k 1/16W 5% Metal Oxide
R5705	VRS-CY1JF103JY	10k 1/16W 5% Metal Oxide
R5706	VRS-TV1JD000JY	0 1/10W 5% Metal Oxide
R5707	VRS-TV1JD000JY	0 1/10W 5% Metal Oxide
R5713	VRS-CY1JF102FY	1k 1/16W 1% Metal Oxide
R5714	VRS-CY1JF101JY	100 1/16W 5% Metal Oxide
R5715	VRS-CY1JF562FY	5.6k 1/16W 1% Metal Oxide
R5716	VRS-CY1JF622FY	6.2k 1/16W 1% Metal Oxide
R5721	VRS-TV1JD000JY	0 1/10W 5% Metal Oxide
MISCELLANEOUS PARTS		
FB2301	RBLN-A005WJZZY	Ferrit Bead
FB2302	RBLN-A005WJZZY	Ferrit Bead
FB2303	RBLN-A005WJZZY	Ferrit Bead
FB2304	RBLN-A005WJZZY	Ferrit Bead
FB2305	RBLN-A005WJZZY	Ferrit Bead
FB2306	RBLN-A005WJZZY	Ferrit Bead
FB2307	RBLN-A005WJZZY	Ferrit Bead
FB2308	RBLN-A005WJZZY	Ferrit Bead
FB3200	RBLN-A005WJZZY	Ferrit Bead
FB5701	RBLN-0252TAZZY	Ferrit Bead
P2301	QPLGN0057CEZZY	Plug
P2302	QPLGN0064CEZZY	Plug
P2303	QPLGN0055CEZZY	Plug
P2304	QPLGN0059CEZZY	Plug
P3200	QPLGNA342WJZZY	Plug

REF NO.	PART NUMBER	DESCRIPTION
P3201	QPLGNA346WJZZY	Plug
P3202	QPLGNA339WJZZY	Plug
P5701	QPLGNA177WJZZY	Plug
P5702	QPLGNA341WJZZY	Plug
SC3200	QSOCNA542WJPZY	Socket
SC3201	QSOCNA543WJPZY	Socket
SC3202	QSOCNA540WJPZY	Socket
LUG5701	QLUGHA006WJZZY	Lug
LUG5702	QLUGHA006WJZZY	Lug
LUG5703	QLUGHA006WJZZY	Lug
LUG5704	QLUGHA006WJZZY	Lug
INVERTER UNIT		
IC		
IC7501	VHIBD9766FV-1	BD9766FV
IC7502	VHINJM78L08UA	NJM78L08UA(TA7808F)
TRANSITOR		
Q7501	VSRSS050P03-1	RSS050P03
Q7502	VSRSS065N03-1	RSS065N03
Q7503	VSRSS050P03-1	RSS050P03
Q7504	VSRSS065N03-1	RSS065N03
Q7505	VSRSS050P03-1	RSS050P03
Q7506	VSRSS065N03-1	RSS065N03
Q7507	VSRSS050P03-1	RSS050P03
Q7508	VSRSS065N03-1	RSS065N03
Q7509	VSRSS050P03-1	RSS050P03
Q7510	VSRSS065N03-1	RSS065N03
Q7511	VSRSS050P03-1	RSS050P03
Q7512	VSRSS065N03-1	RSS065N03
Q7513	VSRSS050P03-1	RSS050P03
Q7514	VSRSS065N03-1	RSS065N03
Q7515	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
DIODE		
D7501	VHD1SS355//-1	1SS355(1SS352)
D7502	VHDDAN217U/-1	DAN217U(1SS302)
D7503	VHDDAN217U/-1	DAN217U(1SS302)
D7504	VHDDAN217U/-1	DAN217U(1SS302)
D7505	VHDDAN217U/-1	DAN217U(1SS302)
D7506	VHDDAN217U/-1	DAN217U(1SS302)
D7507	VHDDAN217U/-1	DAN217U(1SS302)
D7508	VHDDAN217U/-1	DAN217U(1SS302)
D7509	VHDDAN217U/-1	DAN217U(1SS302)
D7510	VHDDAN217U/-1	DAN217U(1SS302)
D7511	VHDDAN217U/-1	DAN217U(1SS302)
D7512	VHDDAN217U/-1	DAN217U(1SS302)
D7513	VHDDAN217U/-1	DAN217U(1SS302)
D7514	VHDDAN217U/-1	DAN217U(1SS302)
D7515	VHDDAN217U/-1	DAN217U(1SS302)
TRANSFORMER		
T7501	RTRNZ1302SNPZ	BLC4115
T7502	RTRNZ1302SNPZ	BLC4115
T7503	RTRNZ1302SNPZ	BLC4115
T7504	RTRNZ1302SNPZ	BLC4115
T7505	RTRNZ1302SNPZ	BLC4115
T7506	RTRNZ1302SNPZ	BLC4115
T7507	RTRNZ1302SNPZ	BLC4115

REF NO.	PART NUMBER	DESCRIPTION
T7508	RTRNZ1302SNPZ	BLC4115
T7509	RTRNZ1302SNPZ	BLC4115
T7510	RTRNZ1302SNPZ	BLC4115
T7511	RTRNZ1302SNPZ	BLC4115
T7512	RTRNZ1302SNPZ	BLC4115
T7513	RTRNZ1302SNPZ	BLC4115
T7514	RTRNZ1302SNPZ	BLC4115
CAPACITOR		
C7502	VCCCCY1HH331J	330pF 50V CERAMIC
C7503	VCKYCY1HB222K	2200pF 50V CERAMIC
C7504	VCKYCY1HB332K	3300pF 50V CERAMIC
C7505	VCKYCY1HB222K	2200pF 50V CERAMIC
C7506	VCKYCY1HB332K	3300pF 50V CERAMIC
C7507	VCKYCY1EB104K	0.1uF 25V CERAMIC
C7508	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7509	VCKYCY1AB225K	2.2uF 10V CERAMIC
C7510	VCKYCY1AB225K	2.2uF 10V CERAMIC
C7511	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7512	VCKYCY1EB104K	0.1uF 25V CERAMIC
C7513	VCKYCY1EB104K	0.1uF 25V CERAMIC
C7514	VCKYCY1EB473K	0.047uF 25V CERAMIC
C7515	VCKYCY1EB473K	0.047uF 25V CERAMIC
C7516	RC-E1E108HVPZ	1000uF 25V ELECTROLYTIC
C7517	RC-E1E108HVPZ	1000uF 25V ELECTROLYTIC
C7518	RC-E1E108HVPZ	1000uF 25V ELECTROLYTIC
C7519	RC-E1E687HVPZ	680uF 25V ELECTROLYTIC
C7520	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7521	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7522	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7523	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7524	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7525	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7526	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7527	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7528	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7529	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7530	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7531	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7532	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7533	VCKYTQ1EB475K	4.7uF 25V CERAMIC
C7534	RC-ECC3H150PY	15pF 5kV CERAMIC
C7535	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7536	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7537	RC-ECC3H150PY	15pF 5kV CERAMIC
C7538	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7539	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7540	RC-ECC3H150PY	15pF 5kV CERAMIC
C7541	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7542	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7543	RC-ECC3H150PY	15pF 5kV CERAMIC
C7544	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7545	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7546	RC-ECC3H150PY	15pF 5kV CERAMIC
C7547	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7548	VCKYTV2AB473K	0.047uF 100V CERAMIC

REF NO.	PART NUMBER	DESCRIPTION
C7549	RC-ECC3H150PY	15pF 5kV CERAMIC
C7550	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7551	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7552	RC-ECC3H150PY	15pF 5kV CERAMIC
C7553	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7554	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7555	RC-ECC3H150PY	15pF 5kV CERAMIC
C7556	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7557	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7558	RC-ECC3H150PY	15pF 5kV CERAMIC
C7559	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7560	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7561	RC-ECC3H150PY	15pF 5kV CERAMIC
C7562	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7563	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7564	RC-ECC3H150PY	15pF 5kV CERAMIC
C7565	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7566	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7567	RC-ECC3H150PY	15pF 5kV CERAMIC
C7568	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7569	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7570	RC-ECC3H150PY	15pF 5kV CERAMIC
C7571	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7572	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7573	RC-ECC3H150PY	15pF 5kV CERAMIC
C7574	VCKYCY1EB223K	0.022uF 25V CERAMIC
C7575	VCKYTV2AB473K	0.047uF 100V CERAMIC
C7576	VCKYCY1HB103K	0.01uF 50V CERAMIC
RESISTOR		
R7501	VRS-CY1JD000J	0O 1/10W
R7504	VRS-CY1JD000J	0O 1/10W
R7505	VRS-CY1JD104J	100KO 1/10W
R7506	VRS-CY1JD104J	100KO 1/10W
R7507	VRS-CY1JD102J	1KO 1/10W
R7508	VRS-CY1JD363F	36KO 1/10W
R7509	VRS-CY1JD913F	91KO 1/10W
R7510	VRS-CY1JD102J	1KO 1/10W
R7511	VRS-CY1JD104J	100KO 1/10W
R7512	VRS-CY1JD000J	0O 1/10W
R7513	VRS-CY1JD104J	100KO 1/10W
R7514	VRS-CY1JD000J	0O 1/10W
R7515	VRS-CY1JD153F	15KO 1/10W
R7516	VRS-CY1JD683F	68KO 1/10W
R7517	VRS-CY1JD221J	220O 1/10W
R7518	VRS-CY1JD221J	220O 1/10W
R7519	VRS-CY1JD103J	10KO 1/10W
R7520	VRS-CY1JD103J	10KO 1/10W
R7521	VRS-CY1JD153F	15KO 1/10W
R7522	VRS-CY1JD683F	68KO 1/10W
R7523	VRS-CY1JD513F	51KO 1/10W
R7524	VRS-CY1JD513F	51KO 1/10W
R7525	VRS-CY1JD104F	100KO 1/10W
R7526	VRS-CY1JD103J	10KO 1/10W
R7527	VRS-CY1JD103J	10KO 1/10W
R7528	VRS-CY1JD103J	10KO 1/10W

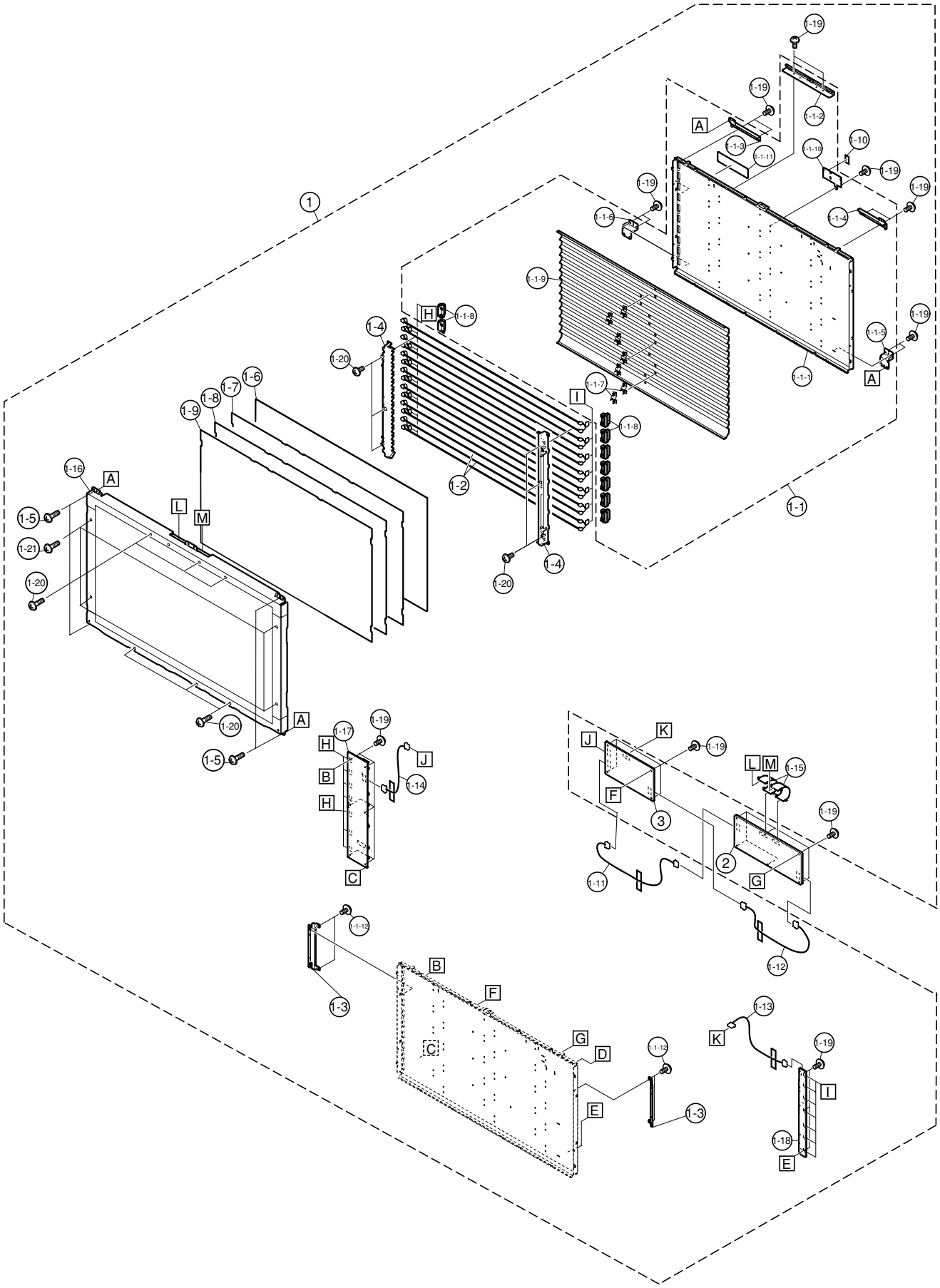
REF NO.	PART NUMBER	DESCRIPTION
R7530	VRS-CY1JD220J	22O 1/10W
R7531	VRS-CY1JD220J	22O 1/10W
R7532	VRS-CY1JD220J	22O 1/10W
R7533	VRS-CY1JD220J	22O 1/10W
R7534	VRS-CY1JD220J	22O 1/10W
R7535	VRS-CY1JD220J	22O 1/10W
R7536	VRS-CY1JD220J	22O 1/10W
R7537	VRS-CY1JD220J	22O 1/10W
R7538	VRS-CY1JD220J	22O 1/10W
R7539	VRS-CY1JD220J	22O 1/10W
R7540	VRS-CY1JD220J	22O 1/10W
R7541	VRS-CY1JD220J	22O 1/10W
R7542	VRS-CY1JD220J	22O 1/10W
R7543	VRS-CY1JD220J	22O 1/10W
FUSE		
F7501	QFS-A1168SNPZ	BL50
F7502	QFS-A1168SNPZ	BL50
F7503	QFS-A1168SNPZ	BL50
MISCELLANEOUS PART		
CN7501	QCNCM1842SNEZ	S09B-PASK-2
CN7502	QCNCM1843SNEZ	S12B-PASK-2
CN7503	QCNCM1821SNEZ	1717823-1
CN7504	QCNCM1821SNEZ	1717823-1
CN7505	QCNCM1821SNEZ	1717823-1
CN7506	QCNCM1821SNEZ	1717823-1
CN7507	QCNCM1821SNEZ	1717823-1
CN7508	QCNCM1821SNEZ	1717823-1
CN7509	QCNCM1821SNEZ	1717823-1
INVERTER GND UNIT		
TRANSITOR		
Q7601	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
Q7602	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
Q7603	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
Q7604	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
Q7606	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
Q7607	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
Q7608	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
Q7609	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
Q7610	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
Q7611	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
Q7613	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
Q7614	VSUM6K1N///-1	UM6K1N(SSM6N15FU)
THERMISTOR		
TH7606	VHH18XH103J03-	NCP18XH103J03RB
DIODE		
D7601	VHD1SS355//-1	1SS355(1SS352)
D7602	VHD1SS355//-1	1SS355(1SS352)
D7603	VHD1SS355//-1	1SS355(1SS352)
D7604	VHD1SS355//-1	1SS355(1SS352)
D7606	VHD1SS355//-1	1SS355(1SS352)
D7607	VHD1SS355//-1	1SS355(1SS352)
D7608	VHD1SS355//-1	1SS355(1SS352)
D7609	VHD1SS355//-1	1SS355(1SS352)
D7610	VHD1SS355//-1	1SS355(1SS352)
D7611	VHD1SS355//-1	1SS355(1SS352)

REF NO.	PART NUMBER	DESCRIPTION
D7613	VHD1SS355//-1	1SS355(1SS352)
D7614	VHD1SS355//-1	1SS355(1SS352)
D7619	VHDDAN217U/-1	DAN217U(1SS302)
D7626	VHDDAN217U/-1	DAN217U(1SS302)
CAPACITOR		
C7601	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7602	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7603	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7604	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7606	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7607	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7608	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7609	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7610	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7611	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7613	VCKYCY1CB224K	0.22uF 16V CERAMIC
C7614	VCKYCY1CB224K	0.22uF 16V CERAMIC
RESISTOR		
R7601	VRS-CY1JD155J	1.5MO 1/10W
R7603	VRS-CY1JD155J	1.5MO 1/10W
R7605	VRS-CY1JD155J	1.5MO 1/10W
R7607	VRS-CY1JD155J	1.5MO 1/10W
R7609	VRS-CY1JD102F	1KO 1/10W
R7610	VRS-CY1JD102F	1KO 1/10W
R7611	VRS-CY1JD155J	1.5MO 1/10W
R7613	VRS-CY1JD155J	1.5MO 1/10W
R7615	VRS-CY1JD155J	1.5MO 1/10W
R7617	VRS-CY1JD155J	1.5MO 1/10W
R7619	VRS-CY1JD155J	1.5MO 1/10W
R7621	VRS-CY1JD155J	1.5MO 1/10W
R7623	VRS-CY1JD102F	1KO 1/10W
R7624	VRS-CY1JD102F	1KO 1/10W
R7625	VRS-CY1JD155J	1.5MO 1/10W
R7627	VRS-CY1JD155J	1.5MO 1/10W
R7630	VRS-CY1JD104J	100KO 1/10W
R7632	VRS-CY1JD104J	100KO 1/10W
R7634	VRS-CY1JD104J	100KO 1/10W
R7636	VRS-CY1JD104J	100KO 1/10W
R7637	VRS-CY1JD000J	0O 1/10W
R7640	VRS-CY1JD104J	100KO 1/10W
R7642	VRS-CY1JD104J	100KO 1/10W
R7644	VRS-CY1JD104J	100KO 1/10W
R7646	VRS-CY1JD104J	100KO 1/10W
R7648	VRS-CY1JD104J	100KO 1/10W
R7650	VRS-CY1JD104J	100KO 1/10W
R7651	VRS-CY1JD000J	0O 1/10W
R7654	VRS-CY1JD104J	100KO 1/10W
R7656	VRS-CY1JD104J	100KO 1/10W
R7657	VRS-CY1JD751J	750O 1/10W
R7659	VRS-CY1JD751J	750O 1/10W
R7661	VRS-CY1JD751J	750O 1/10W
R7663	VRS-CY1JD751J	750O 1/10W
R7665	VRS-CY1JD103F	10KO 1/10W
R7667	VRS-CY1JD751J	750O 1/10W
R7669	VRS-CY1JD751J	750O 1/10W

REF NO.	PART NUMBER	DESCRIPTION
R7671	VRS-CY1JD751J	750O 1/10W
R7673	VRS-CY1JD751J	750O 1/10W
R7675	VRS-CY1JD751J	750O 1/10W
R7677	VRS-CY1JD751J	750O 1/10W
R7679	VRS-CY1JD103F	10KO 1/10W
R7681	VRS-CY1JD751J	750O 1/10W
R7683	VRS-CY1JD751J	750O 1/10W
MISCELLANEOUS PART		
CN7601	QCNCM1841SNEZ	SM05B-PASS
CN7602	QCNCM1821SNEZ	1717823-1
CN7603	QCNCM1821SNEZ	1717823-1
CN7604	QCNCM1821SNEZ	1717823-1
CN7605	QCNCM1821SNEZ	1717823-1
CN7606	QCNCM1821SNEZ	1717823-1
CN7607	QCNCM1821SNEZ	1717823-1
CN7608	QCNCM1821SNEZ	1717823-1
JP7601	VRS-TS2AD000J	0O 1/8W
JP7602	VRS-TS2AD000J	0O 1/8W
JP7603	VRS-TS2AD000J	0O 1/8W
JP7604	VRS-TS2AD000J	0O 1/8W
JP7605	VRS-TS2AD000J	0O 1/8W
JP7606	VRS-TS2AD000J	0O 1/8W
JP7607	VRS-TS2AD000J	0O 1/8W
JP7608	VRS-TS2AD000J	0O 1/8W
JP7609	VRS-TS2AD000J	0O 1/8W
JP7610	VRS-TS2AD000J	0O 1/8W
JP7611	VRS-TS2AD000J	0O 1/8W
JP7612	VRS-TS2AD000J	0O 1/8W
JP7613	VRS-TS2AD000J	0O 1/8W
JP7614	VRS-TS2AD000J	0O 1/8W
JP7615	VRS-TS2AD000J	0O 1/8W
JP7616	VRS-TS2AD000J	0O 1/8W
MECHANICAL PARTS		
1	Not Available	26?Wide LCD Panel Unit Ass?y
1-1	CCHSMA219WJ01	Chassis Ass?y
1-1-1	Not Available	B/L Chassis
1-1-2	LANGKA520WJFW	Fixing Angle top(Center)
1-1-3	LANGKA528WJFW	Lamp Angle top
1-1-4	LANGKA529WJFW	Lamp Angle
1-1-5	LANGKA548WJFW	Bottom Angle-L
1-1-6	LANGKA549WJFW	Bottom Angle-R
1-1-7	LHLDZA618WJKZ	Clip for Lamp, x7
1-1-8	PGUMMA008WJKA	Rubber, x14
1-1-9	PMiR-A088WJZZ	Reflection Mirror
1-1-10	PRDARA248WJFW	Radiator
1-1-11	TCAUZA031WJZZ	Caution Label
1-1-12	XBBS730P04000	Screw, x7
1-2	KLMP-A068WJZZ	Lamp, x7
1-3	LANGKA547WJFW	Fixing Metal, x2
1-4	LHLDZA615WJKZ	Lamp Holder, x2
1-5	LX-BZA051WJFN	Screw, x4
1-6	PCOVUA064WJZZ	Diffusion Panel
1-7	PSHEPA337WJZZ	Diffusion Sheet
1-8	PSHEPA338WJZZ	Prism Sheet
1-9	PSHEPA339WJZZ	Reflection/Deflection Sheet

REF NO.	PART NUMBER	DESCRIPTION
1-10	PSPAZA693WJKZ	Spacer
1-11	QCNW-D529WJQZ	Connecting Cord (BL)
1-12	QCNW-D530WJQZ	Connecting Cord (PL)
1-13	QCNW-D531WJQZ	Connecting Cord (GV)
1-14	QCNW-D631WJQZ	Connecting Cord (BA)
1-15	QPWBMD498WJPZ	FPC(80PIN), x2
1-16	RLCDTA070WJZZ	26?Wide LCD Panel Unit
1-17	RUNTKA142WJZZ	Inverter Unit
1-18	RUNTKA143WJZZ	Inverter GND Unit
1-19	XBPS730P06WS0	Screw, x26
1-20	XBPSN30P14000	Screw, x6
1-21	XEBS830P12000	Screw, x4
2	DUNTKD025VJ03	LCD Control Unit
3	DUNTKD165VJ04	Micro Processor Unit

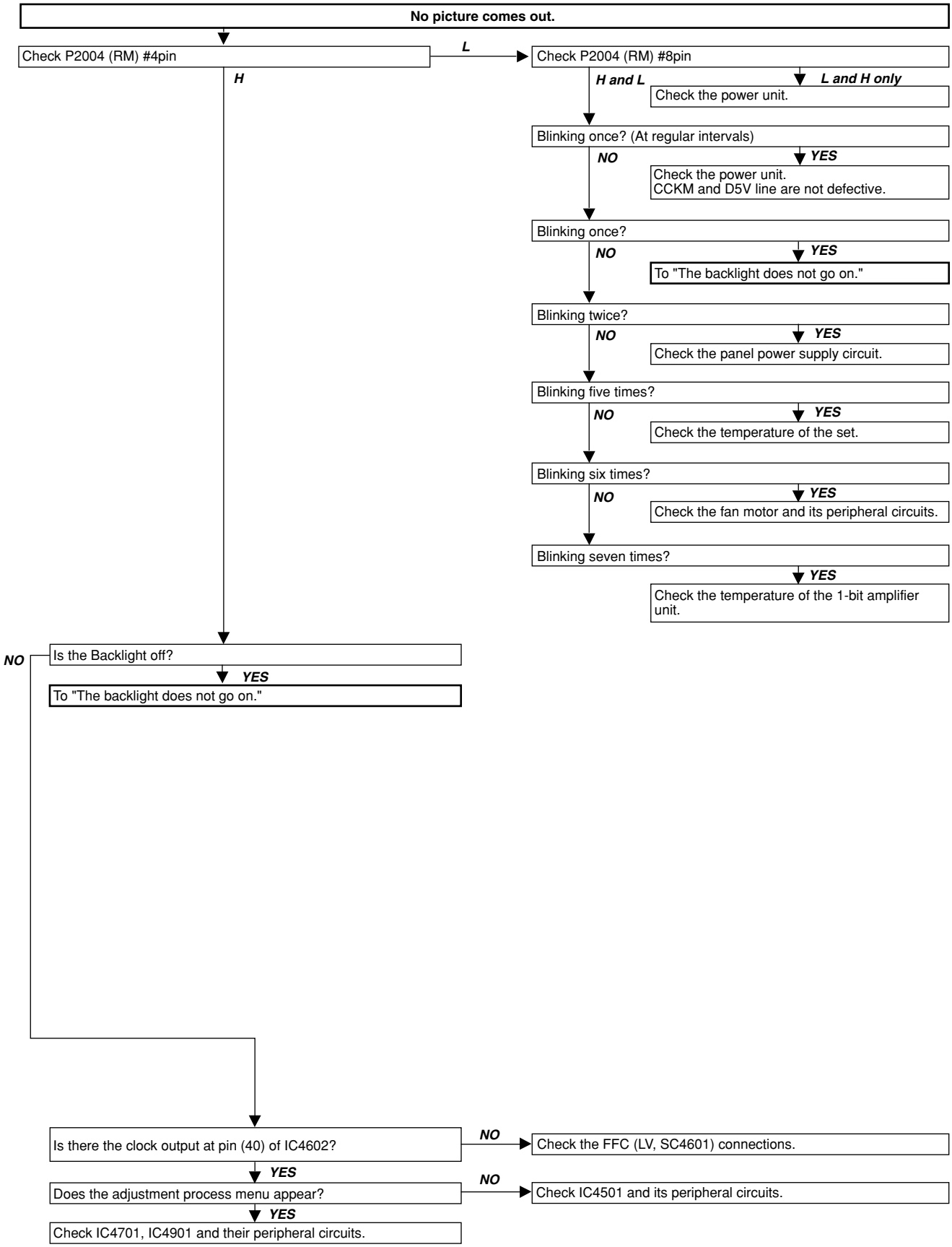
CABINET AND MECHANICAL PARTS



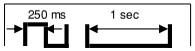
PARTS LIST

REF NO.	PART NUMBER	DESCRIPTION
1	*Not Available*	26”Wide LCD Panel Unit Ass’y
1-1	CCHSMA219WJ01	Chassis Ass’y
1-1-1	*Not Available*	B/L Chassis
1-1-2	LANGKA520WJFW	Fixing Angle top(Center)
1-1-3	LANGKA528WJFW	Lamp Angle top
1-1-4	LANGKA529WJFW	Lamp Angle
1-1-5	LANGKA548WJFW	Bottom Angle-L
1-1-6	LANGKA549WJFW	Bottom Angle-R
1-1-7	LHLDZA618WJKZ	Clip for Lamp, x7
1-1-8	PGUMMA008WJKA	Rubber, x14
1-1-9	PMiR-A088WJZZ	Reflection Mirror
1-1-10	PRDARA248WJFW	Radiator
1-1-11	TCAUZA031WJZZ	Caution Label
1-1-12	XBBS730P04000	Screw, x7
1-2	KLMP-A068WJZZ	Lamp, x7
1-3	LANGKA547WJFW	Fixing Metal, x2
1-4	LHLDZA615WJKZ	Lamp Holder, x2
1-5	LX-BZA051WJFN	Screw, x4
1-6	PCOVUA064WJZZ	Diffusion Panel
1-7	PSHEPA337WJZZ	Diffusion Sheet
1-8	PSHEPA338WJZZ	Prism Sheet
1-9	PSHEPA339WJZZ	Reflection/Deflection Sheet
1-10	PSPAZA693WJKZ	Spacer
1-11	QCNW-D529WJQZ	Connecting Cord (BL)
1-12	QCNW-D530WJQZ	Connecting Cord (PL)
1-13	QCNW-D531WJQZ	Connecting Cord (GV)
1-14	QCNW-D631WJQZ	Connecting Cord (BA)
1-15	QPWBMD498WJPZ	Panel FPC(80PIN), x2
1-16	RLCDTA070WJZZ	26”Wide LCD Panel Unit
1-17	RUNTKA142WJZZ	INVERTER Unit
1-18	RUNTKA143WJZZ	INVERTER GND Unit
1-19	XBPS730P06WS0	Screw, x26
1-20	XBPSN30P14000	Screw, x6
1-21	XEBS830P12000	Screw, x4
2	DUNTKD025VJ03	LCD CONTROL Unit
3	DUNTKD165VJ04	MICRO PROCESSOR Unit

TROUBLE SHOOTING TABLE



LED flashing patterns for error notification



1) Red power LED

Error type	Red power LED operation (one cycle)	Remarks
Lamp failure 1 quick flash	H: On L: Off	"Pin" means a monitoring microcomputer pin. L_FL_ERR (pin 73) is defect (L). 5 sequential flashes at 1 second intervals indicate a lamp failure (failure can be detected only while the backlight is on). Be aware that the lamp failure detecting operation is not activated except in the monitoring process after the LED has flashed 5 times in total. The total number of flashes is cleared to 0 by the setting in the monitoring process or after the LED lit up for 30 minutes in a row.
Power failure 2 flashes	H: On L: Off	2) Refer to "Details of power failure".
Communication failur between main CPUs 3 flashes	H: On L: Off	3) Refer to "Details of communication failure". Communication line failure or main CPU communication failure → Check debug statements for the main CPU.
Monitor temp. failure 5 flashes	H: On L: Off	If the panel temperature is 60˚C or more for 15 seconds or more in a row, CAUTION appears on the OSD of AVC (flashes in red in the lower right screen). If the panel temperature is 60˚C or more for 25 seconds or more in a row, the error standby is activated. (OSTEMP in monitoring process OTHER 2: thermistor AD value appears, TEMP ERR in page FAN: temperature failure AD value is changed): thermistor

2) Details of power failure
(2 flashes of power LED and then flashes of alarm LED)

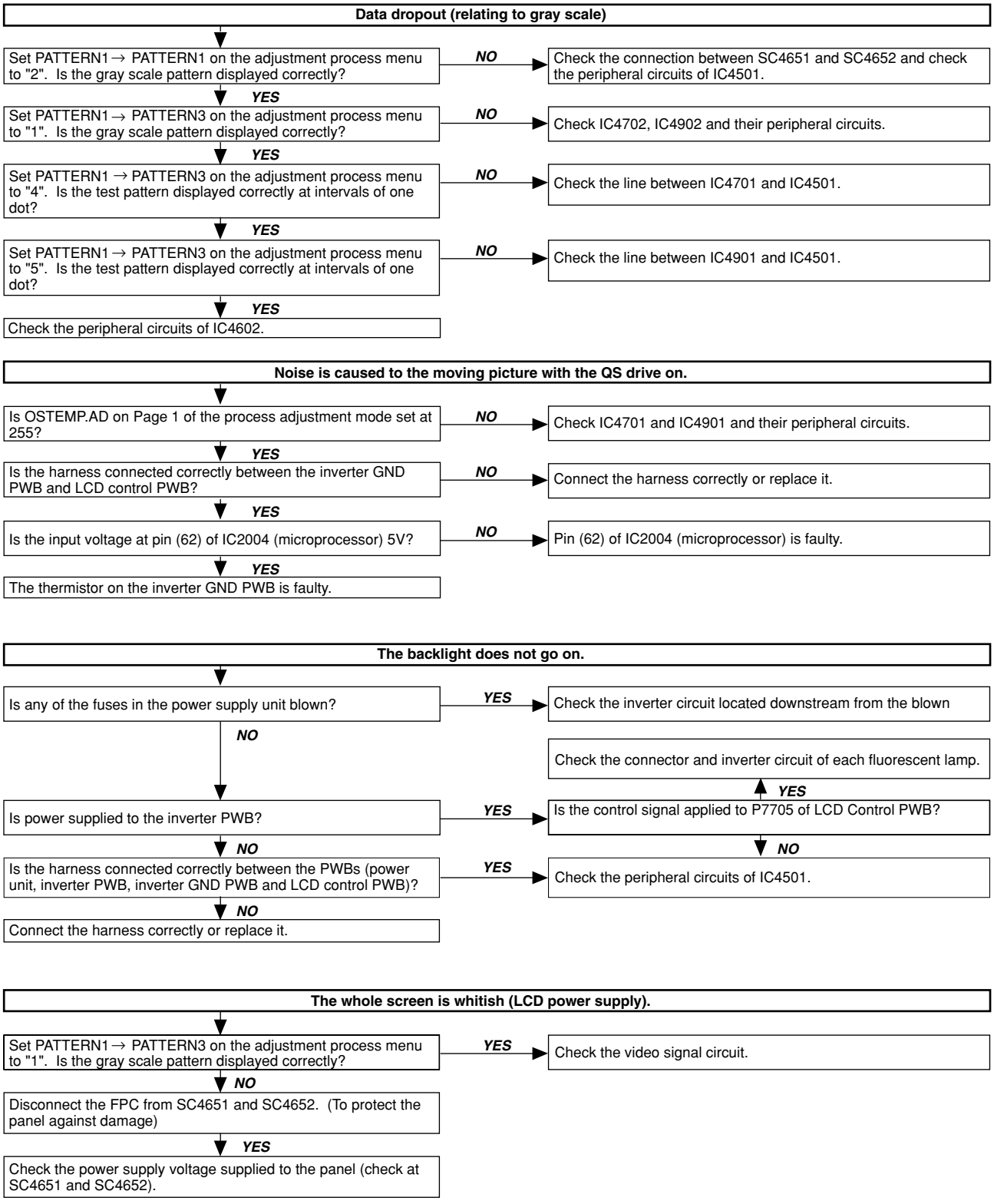
Error type	Alarm LED operation (one cycle)	Remarks
15 V failure 1 flash	H: On L: Off	"Pin" means a monitoring microcomputer pin, unless otherwise noted. 15V_CHK (pin 31) is defect (L). 15 V is not applied. Detected only during start-up. When the error is detected during operation, the projector is restarted by an interrupt handling (instantaneous blackout processing).
2 flashes	H: On L: Off	Not used
9 V (A) failure 3 flashes	H: On L: Off	CSEN1 (pin 34) is defect (L). Detected during start-up and operation (interruption)
VSH 3.3 V failure 4 flashes	H: On L: Off	VSH_IN (pin 36pin) is defect (H). VSH 3.3 V is not applied. Detected during start-up and operation (interruption)
LCD controller PWB 3.3 V failure 5 flashes	H: On L: Off	FREERUN (pin 59) or STB (pin 32) is defect (L). 3.3 V is not applied to the LCD controller. Detected during start-up and operation (interruption). FREERUN is checked during start-up and STB is checked while light is on.
6 flashes	H: On L: Off	Not used

3) Details of communication failure
(3 flashes of power LED and then flashes of alarm LED)

Error type	Alarm LED operation (one cycle)	Remarks
Initial communication reception failure 1 flash	H: On L: Off	Basically, communication logs are analyzed by a bus monitor or debug print logs are analyzed. Initial communication from the main CPU is not received. (Request for the monitor model No. is not received.) → Communication line failure or main CPU start-up failure
Start-up reason reception failure 2 flashes	H: On L: Off	Reason for start-up is not received from the main CPU. (Start-up communication to start-up reason notification 22h is not received.) → Main CPU start-up failure or monitoring microcomputer's reception failure
Regular communicati failure 3 flashes	H: On L: Off	Regular communication that is performed at 1 second intervals in the normal operation is interrupted. → Main CPU operation failure or monitoring microcomputer's reception failure
Restart failure 4 flashes	H: On L: Off	When the projector is restarted by program such as standby on/off, notice for the completion of restart is not received. → Main CPU restart failure or monitoring microcomputer's reception failure

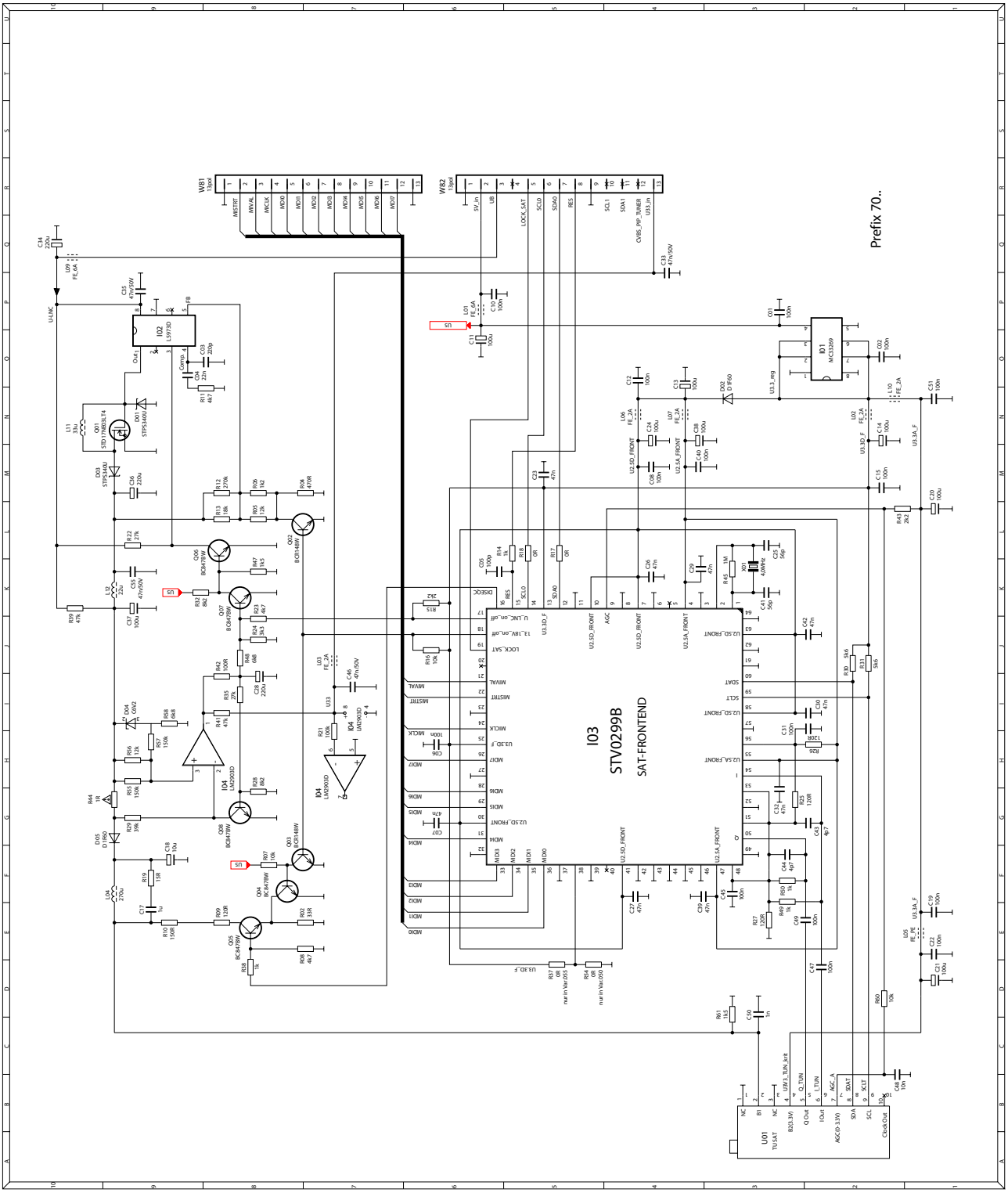
Power LED: P2304 (RM), pin 8
Alarm LED: TP2301 (IC2301, pin 22)

TROUBLE SHOOTING TABLE (Continued)

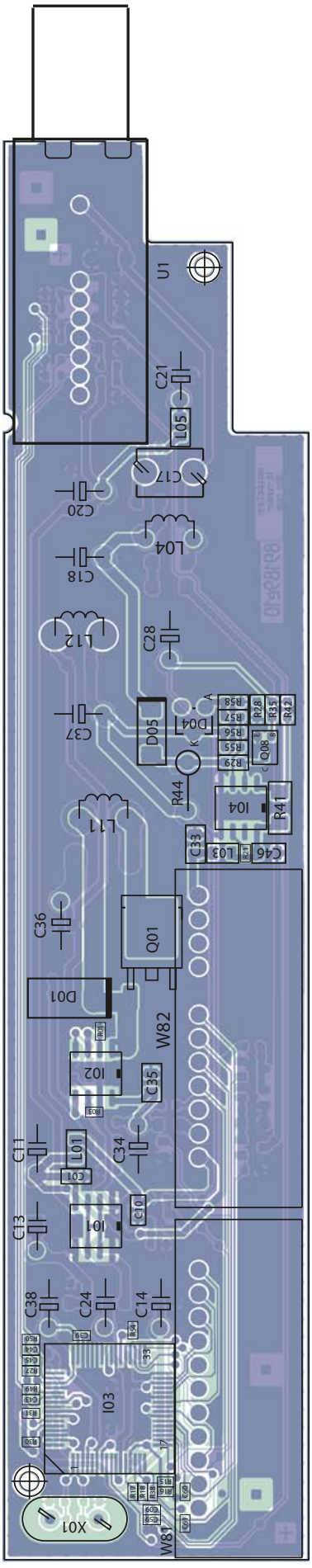

Data dropout (relating to gray scale)
Set PATTERN1 → PATTERN1 on the adjustment process menu to "2". Is the gray scale pattern displayed correctly?
NO
Check the connection between SC4651 and SC4652 and check the peripheral circuits of IC4501.
YES
Set PATTERN1 → PATTERN3 on the adjustment process menu to "1". Is the gray scale pattern displayed correctly?
NO
Check IC4702, IC4902 and their peripheral circuits.
YES
Set PATTERN1 → PATTERN3 on the adjustment process menu to "4". Is the test pattern displayed correctly at intervals of one dot?
NO
Check the line between IC4701 and IC4501.
YES
Set PATTERN1 → PATTERN3 on the adjustment process menu to "5". Is the test pattern displayed correctly at intervals of one dot?
NO
Check the line between IC4901 and IC4501.
YES
Check the peripheral circuits of IC4602.
Noise is caused to the moving picture with the QS drive on.
Is OSTEMP.AD on Page 1 of the process adjustment mode set at 255?
NO
Check IC4701 and IC4901 and their peripheral circuits.
YES
Is the harness connected correctly between the inverter GND PWB and LCD control PWB?
NO
Connect the harness correctly or replace it.
YES
Is the input voltage at pin (62) of IC2004 (microprocessor) 5V?
NO
Pin (62) of IC2004 (microprocessor) is faulty.
YES
The thermistor on the inverter GND PWB is faulty.
The backlight does not go on.
Is any of the fuses in the power supply unit blown?
YES
Check the inverter circuit located downstream from the blown
NO
Check the connector and inverter circuit of each fluorescent lamp.
YES
Is power supplied to the inverter PWB?
YES
Is the control signal applied to P7705 of LCD Control PWB?
NO
NO
Is the harness connected correctly between the PWBs (power unit, inverter PWB, inverter GND PWB and LCD control PWB)?
YES
Check the peripheral circuits of IC4501.
NO
Connect the harness correctly or replace it.
The whole screen is whitish (LCD power supply).
Set PATTERN1 → PATTERN3 on the adjustment process menu to "1". Is the gray scale pattern displayed correctly?
YES
Check the video signal circuit.
NO
Disconnect the FPC from SC4651 and SC4652. (To protect the panel against damage)
YES
Check the power supply voltage supplied to the panel (check at SC4651 and SC4652).

Appendix

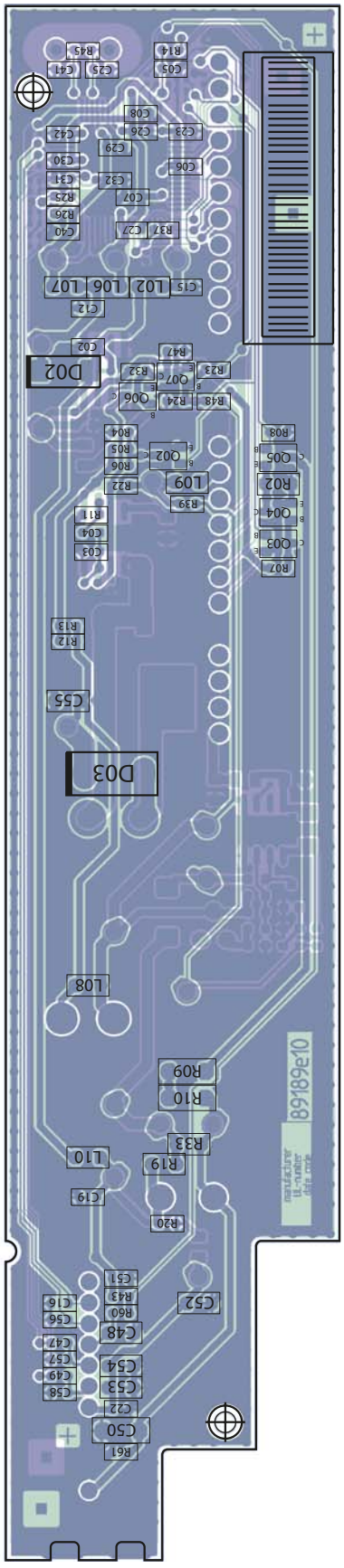
DVB-S Frontend L2650



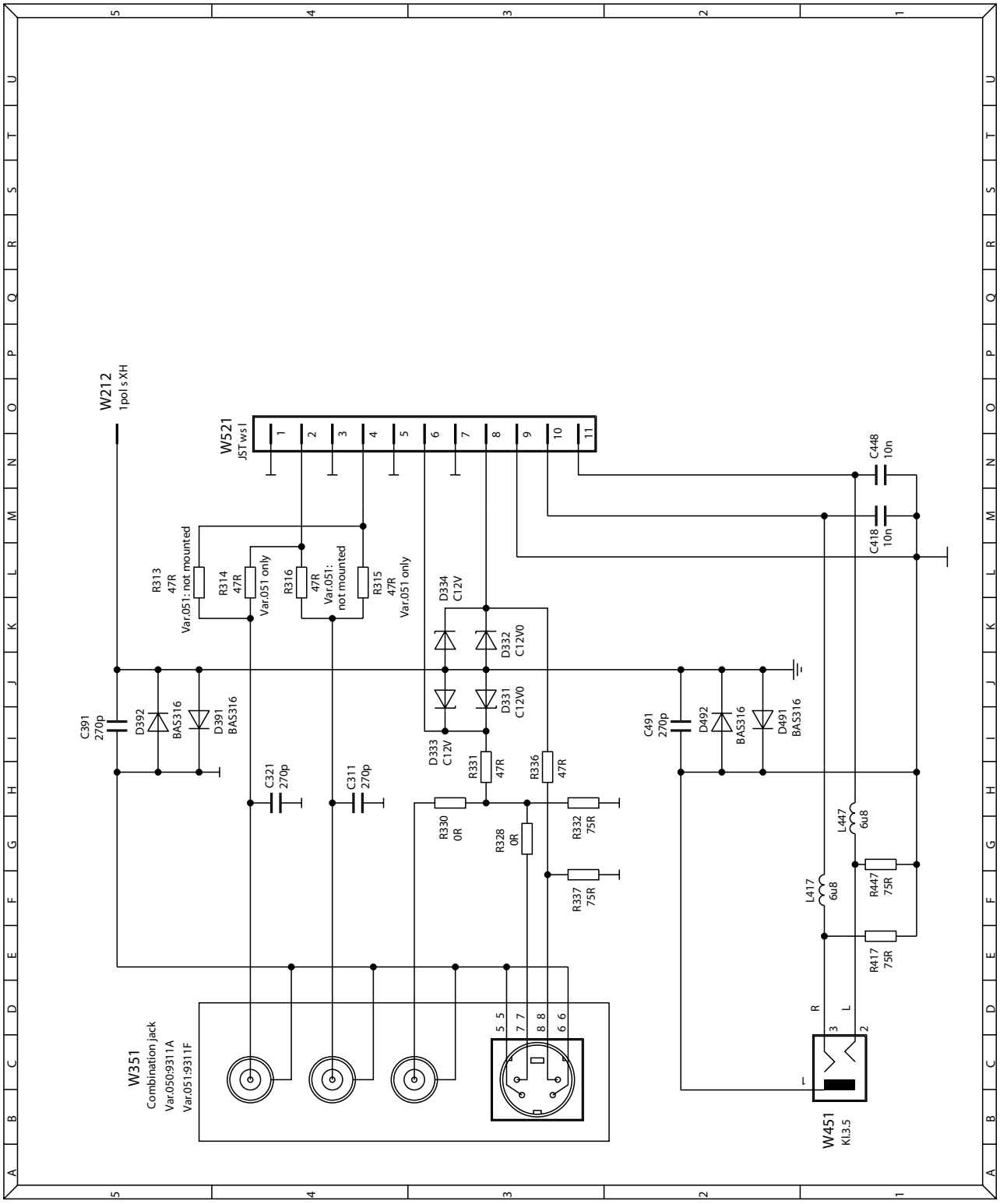
DVB-S Frontend - components side



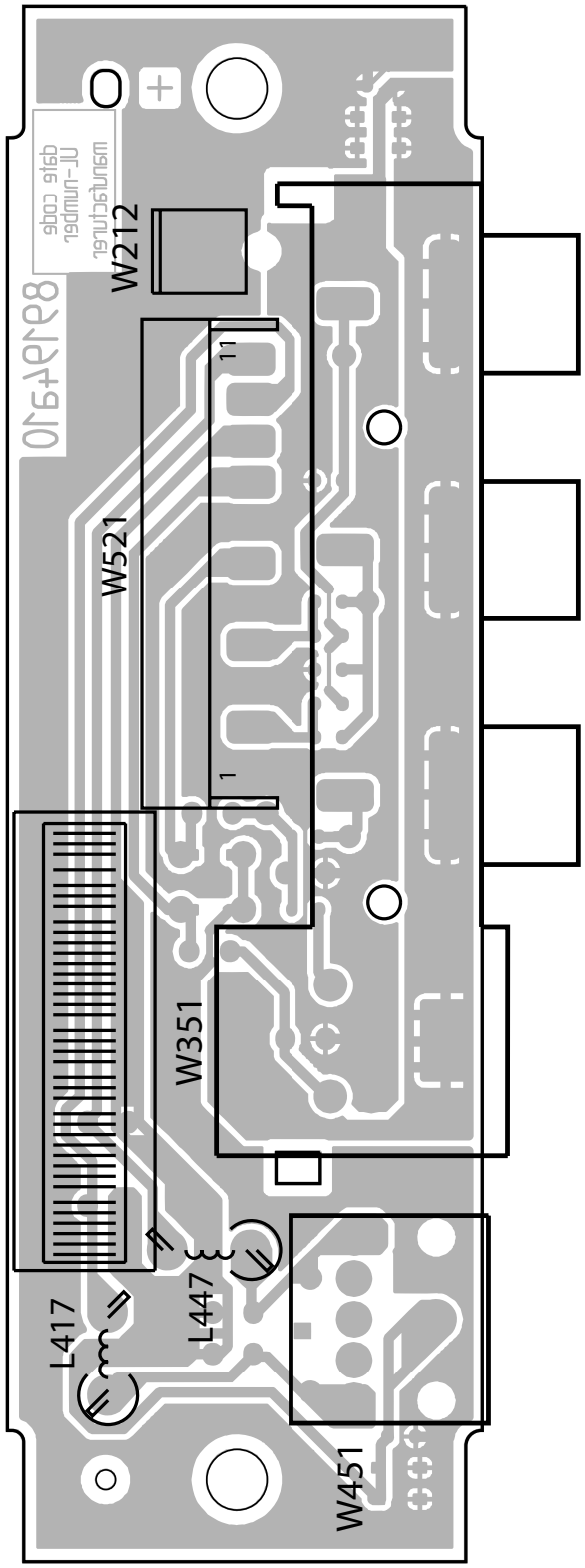
DVB-S Frontend - solder side



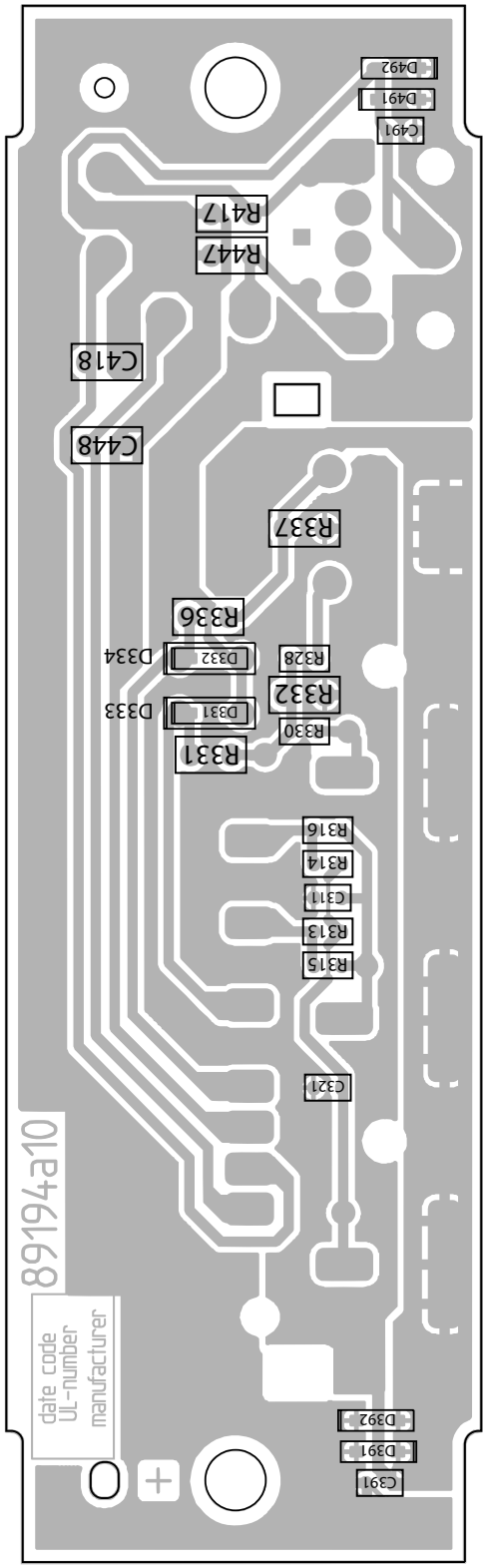
AV connector board L2650
Var. 050/051



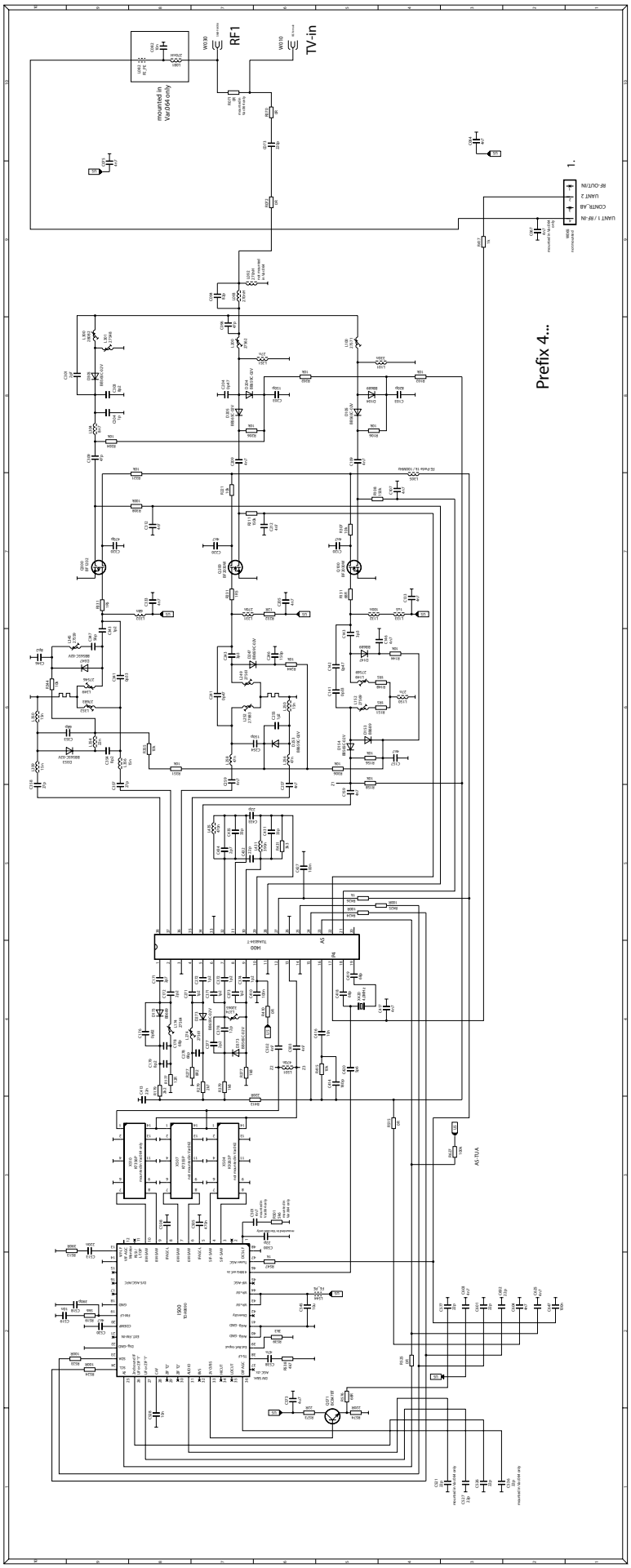
Connector board P.C.B 89194A - components side



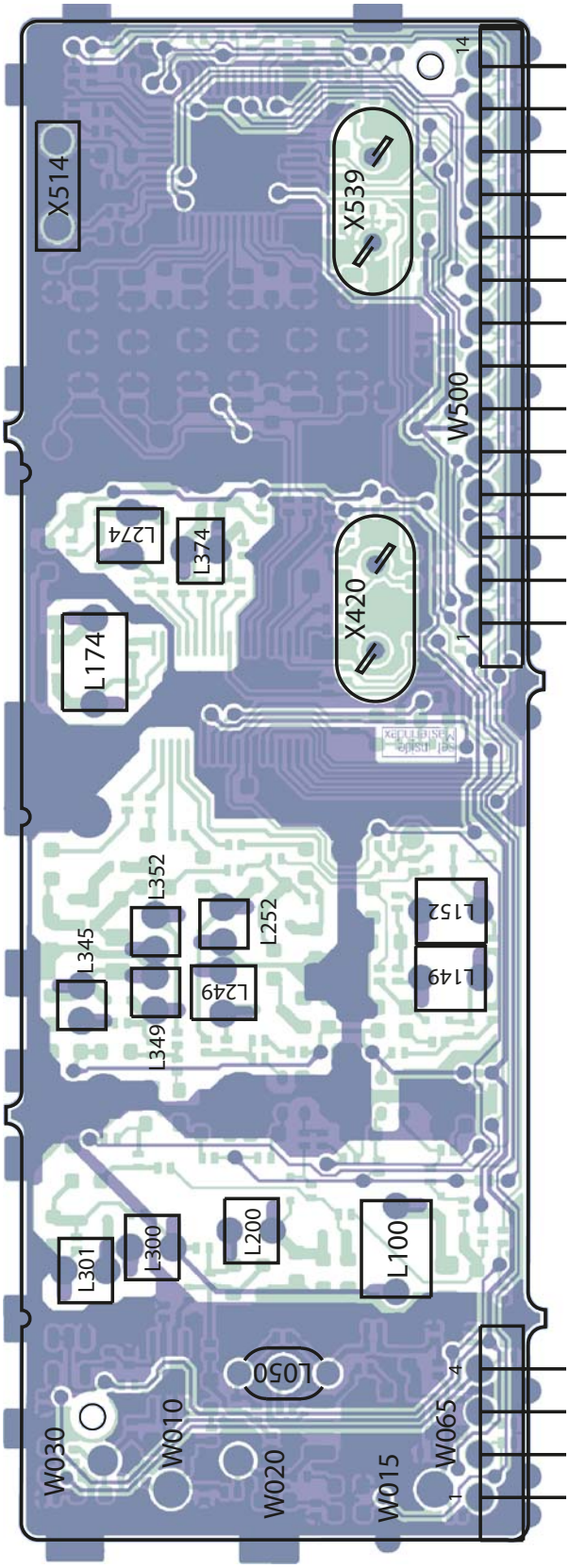
Connector board P.C.B 89194A - solder side



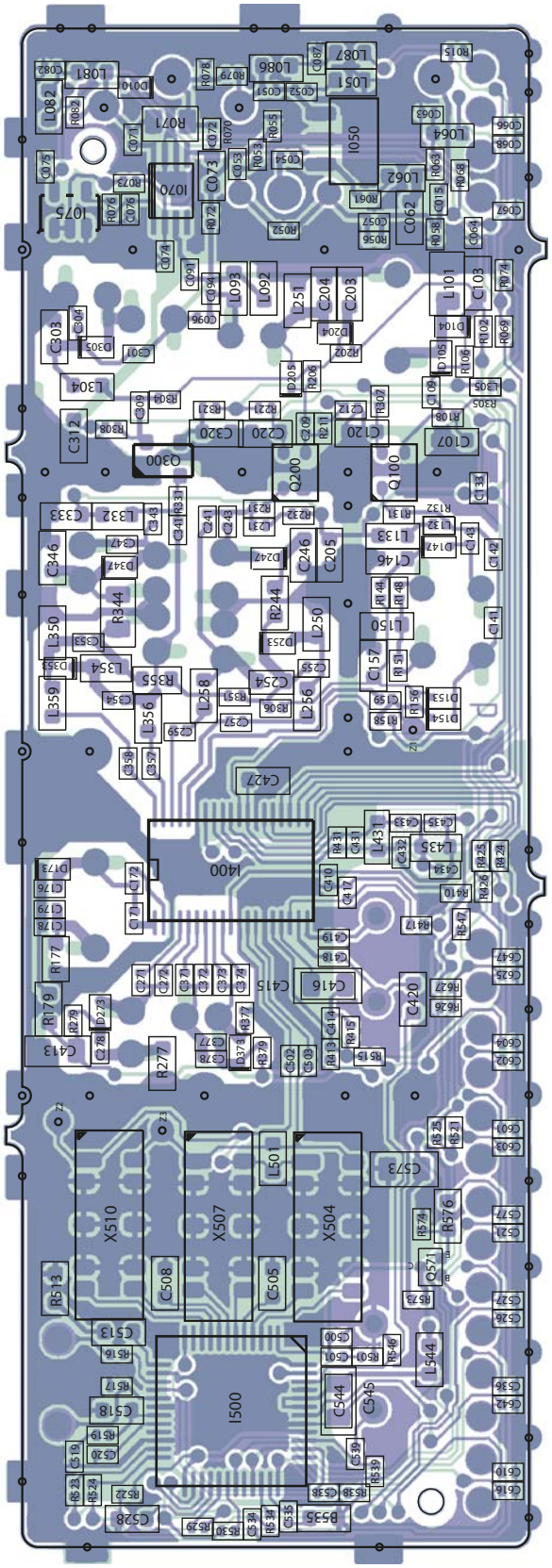
Tuner/IF


RF1
TV-in
mounted in Var.064 only
Prefix 4...
1.
UANT 1 / RF-IN
CONTR_AB
UANT 2
RF-OUT/IN
AS-TUA

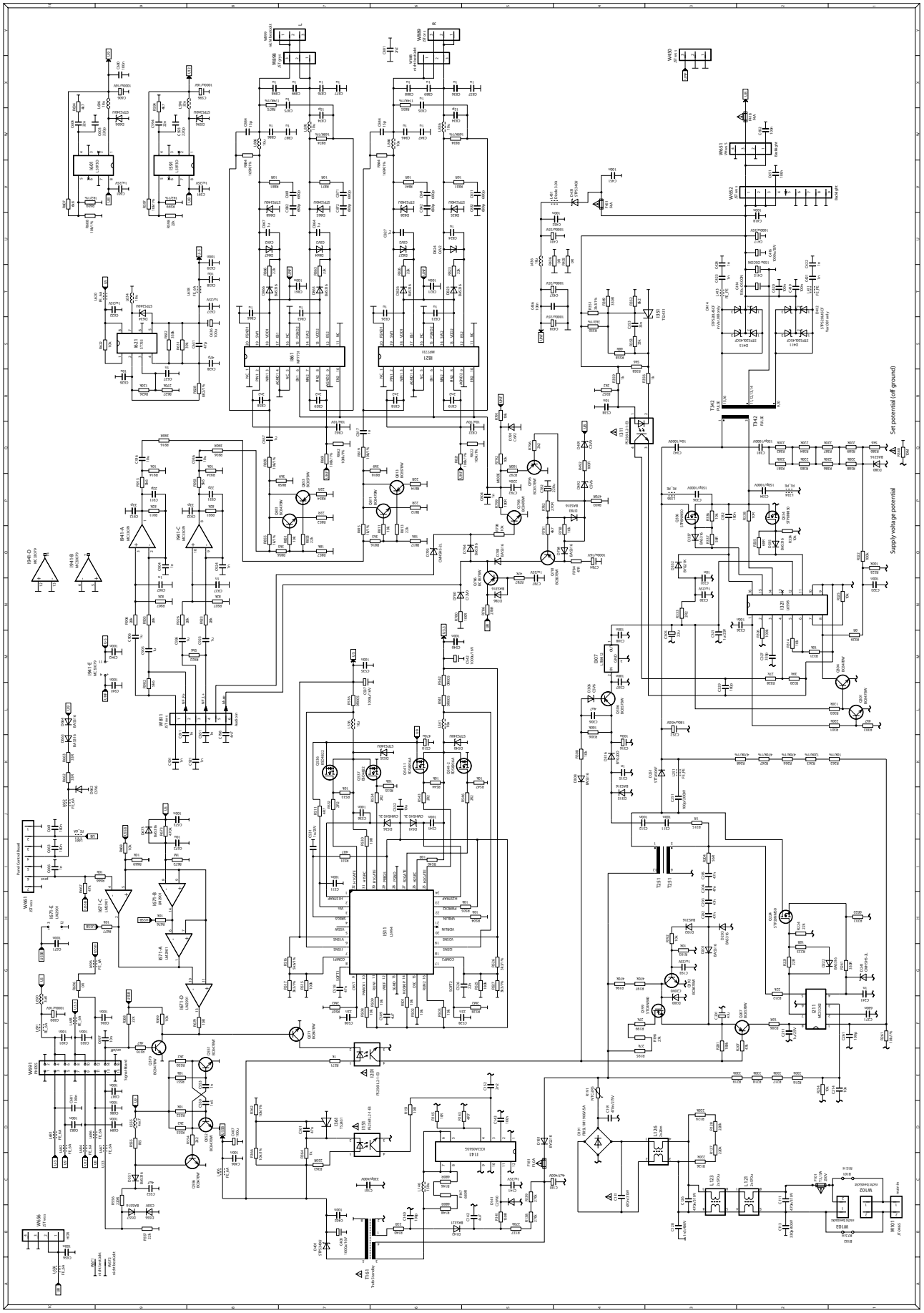
Tuner/IF P.C.B 89222D - components side



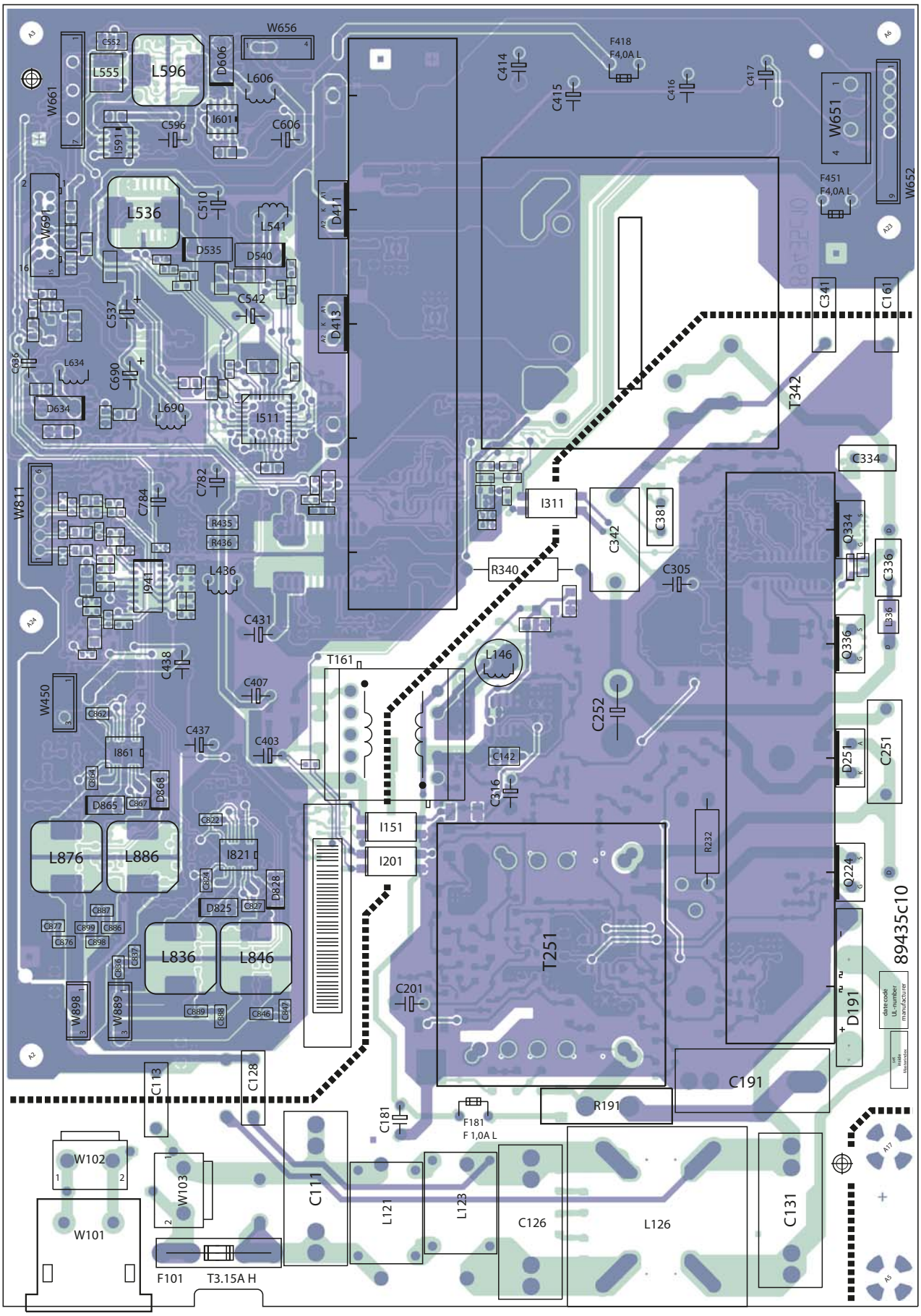
Tuner/IF P.C.B 89222D - solder side



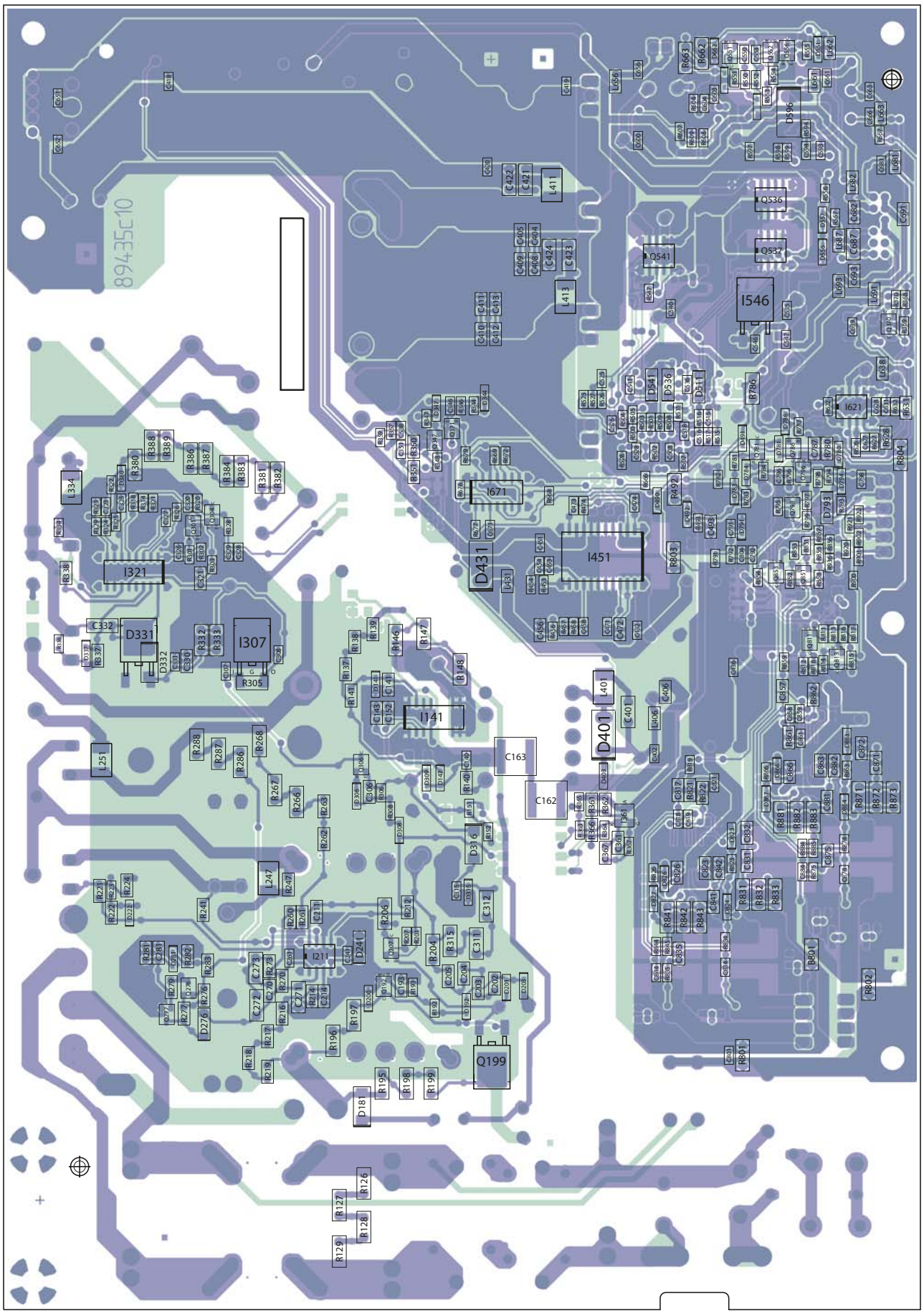
Basicboard L 2650



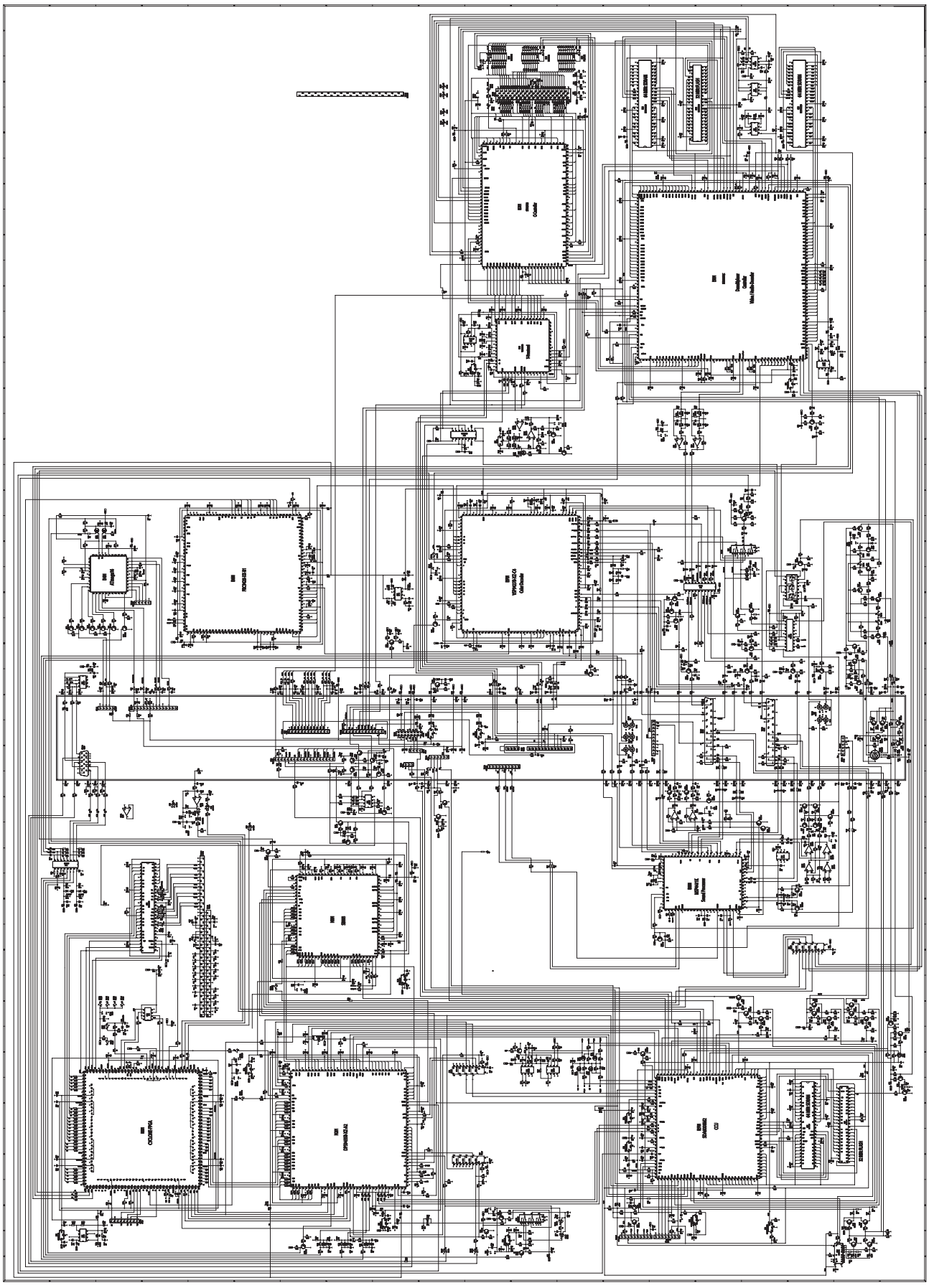
Basicboard L2650 P.C.B 89435C - components side



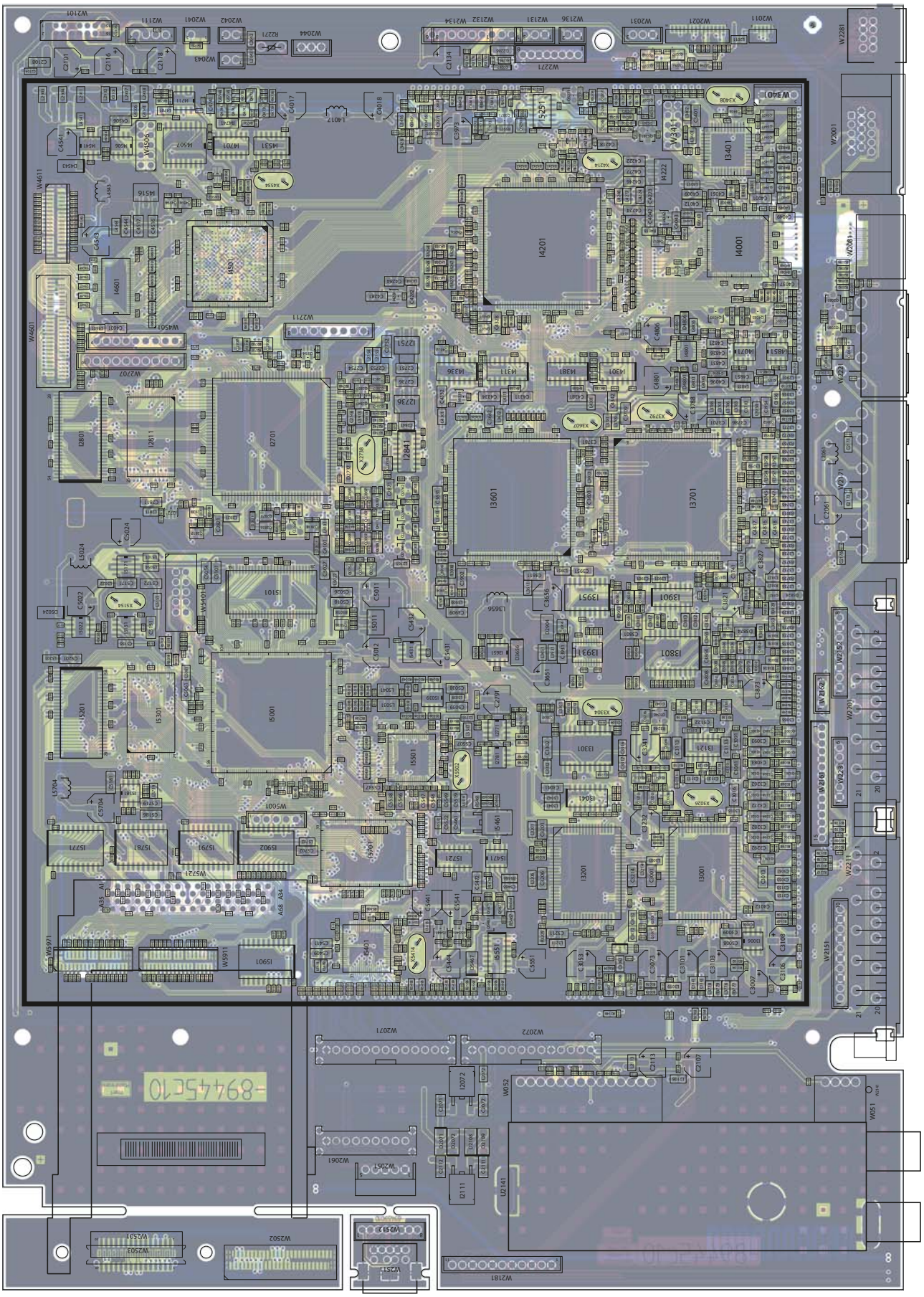
Basicboard L2650 P.C.B 89435C - solder side



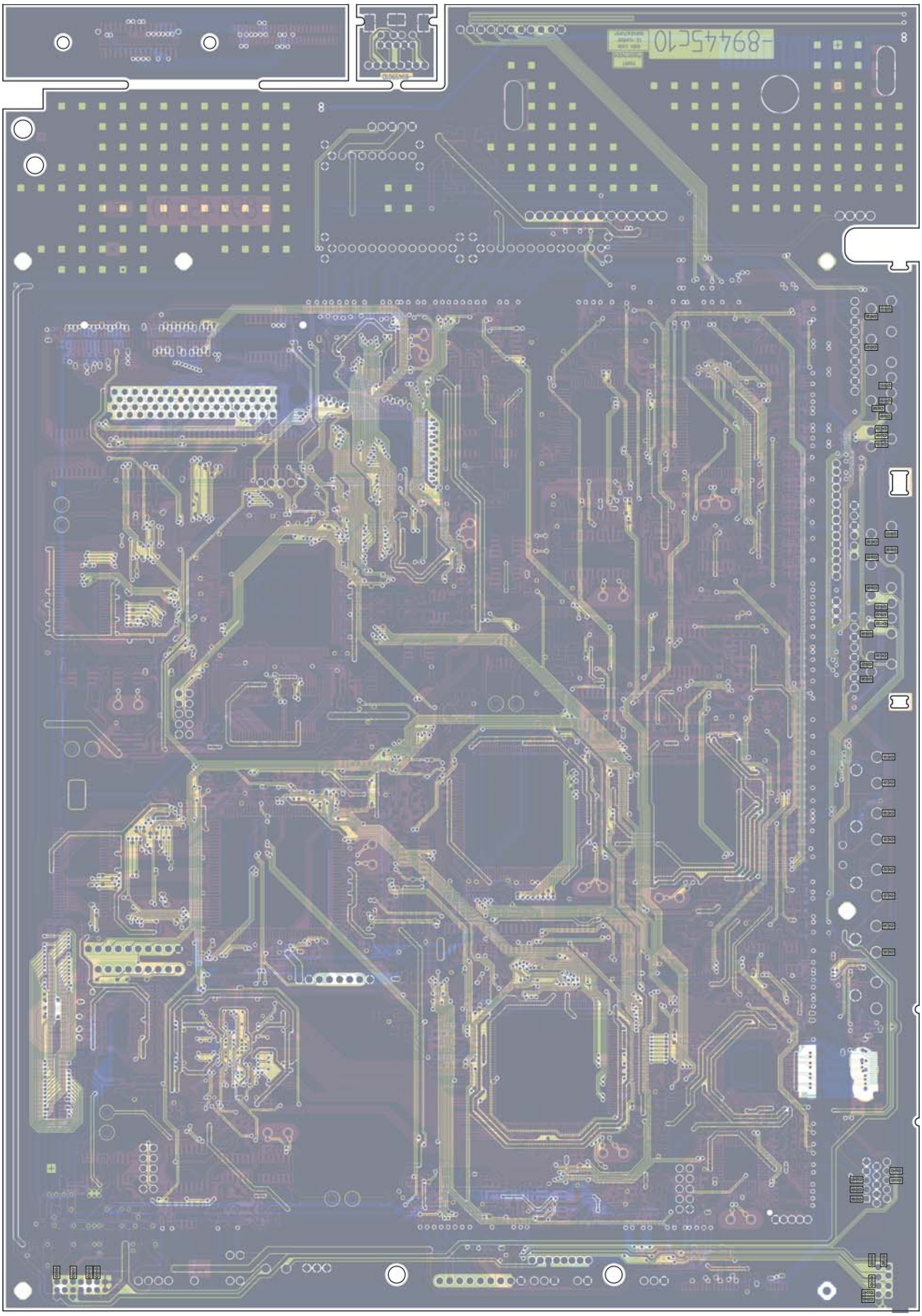
Signalboard L2650



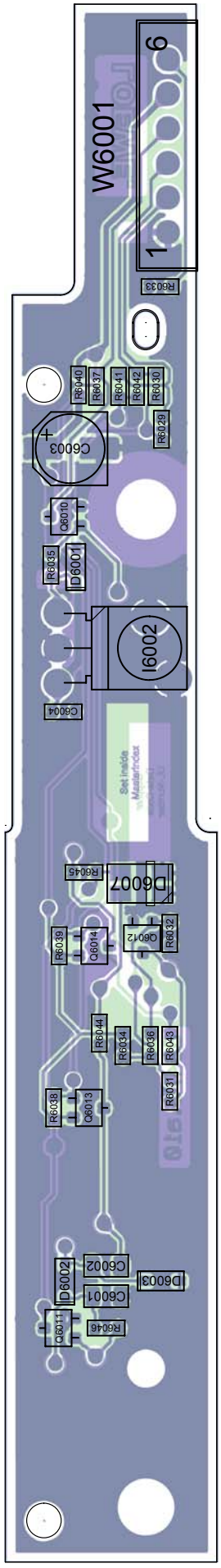
Signalboard - components side



Signalboard - solder side

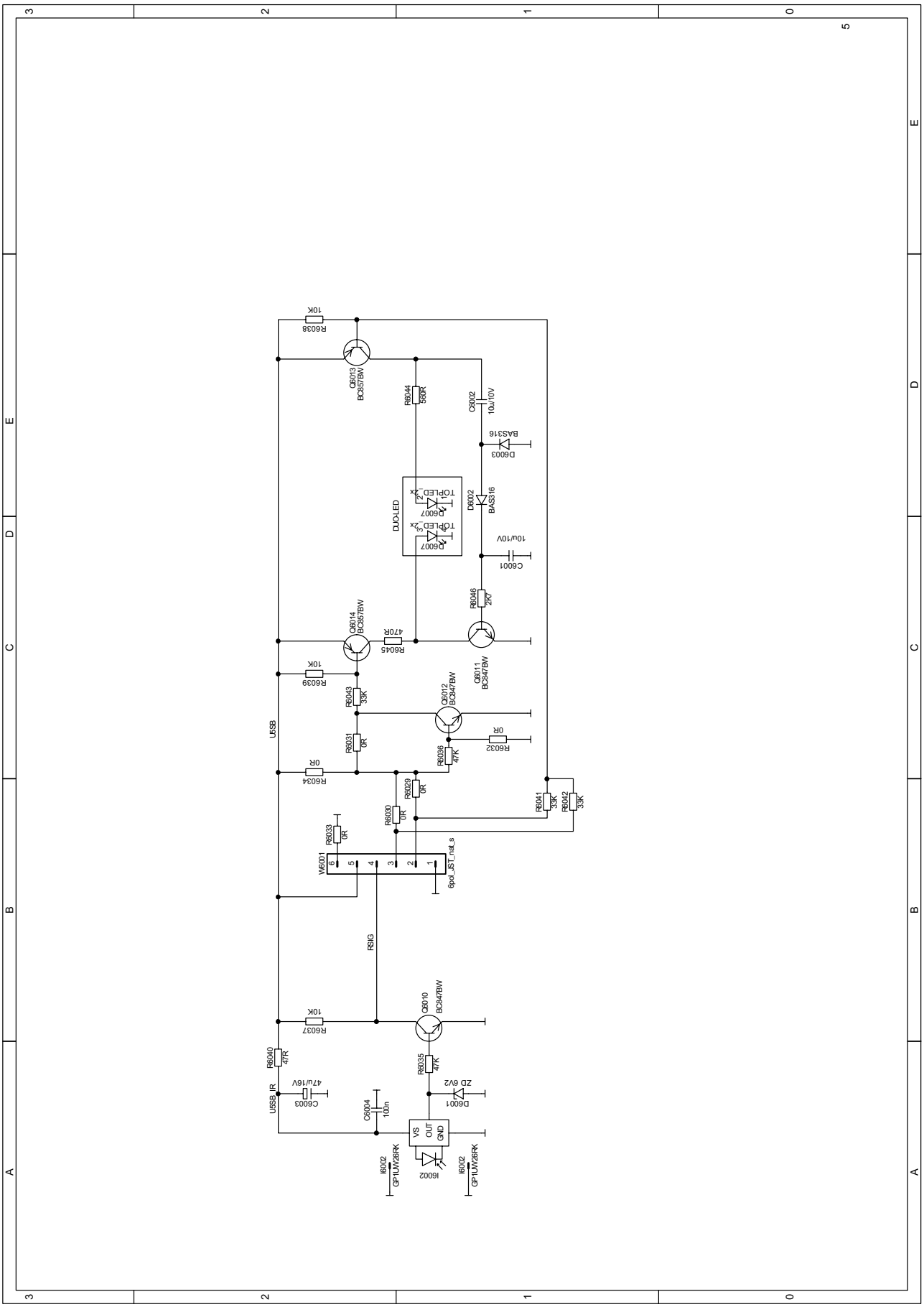


IR receiver/LED GD7e 89476A - components side



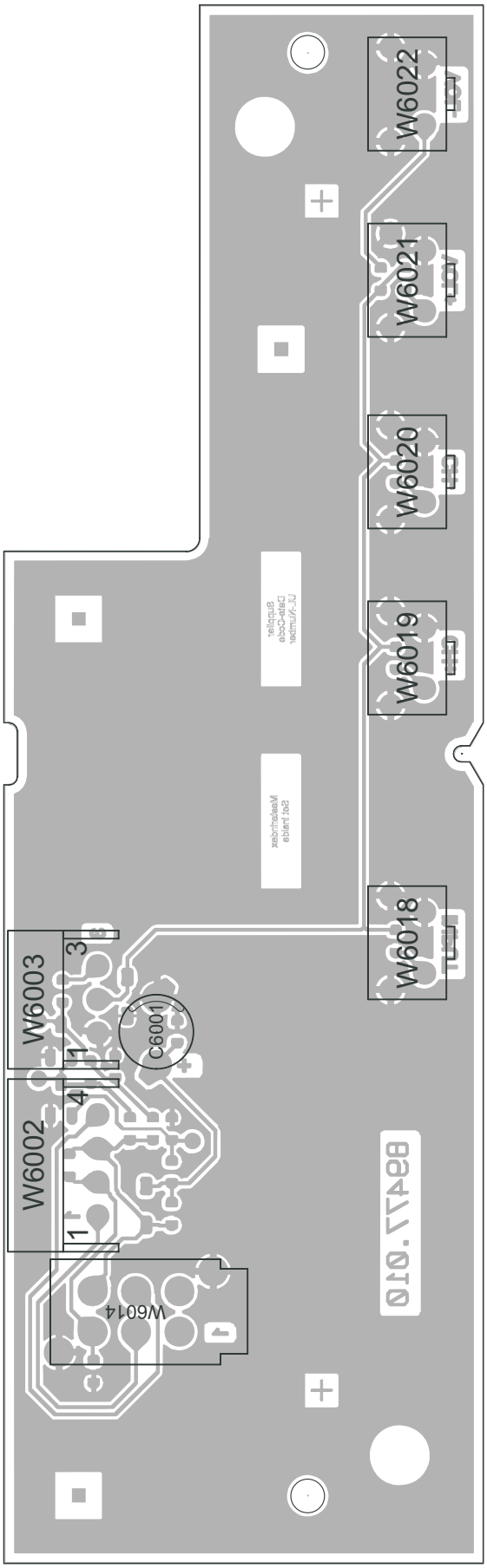
IR Receiver/LED Sharp GD7 89476A Components side

IR receiver L2650

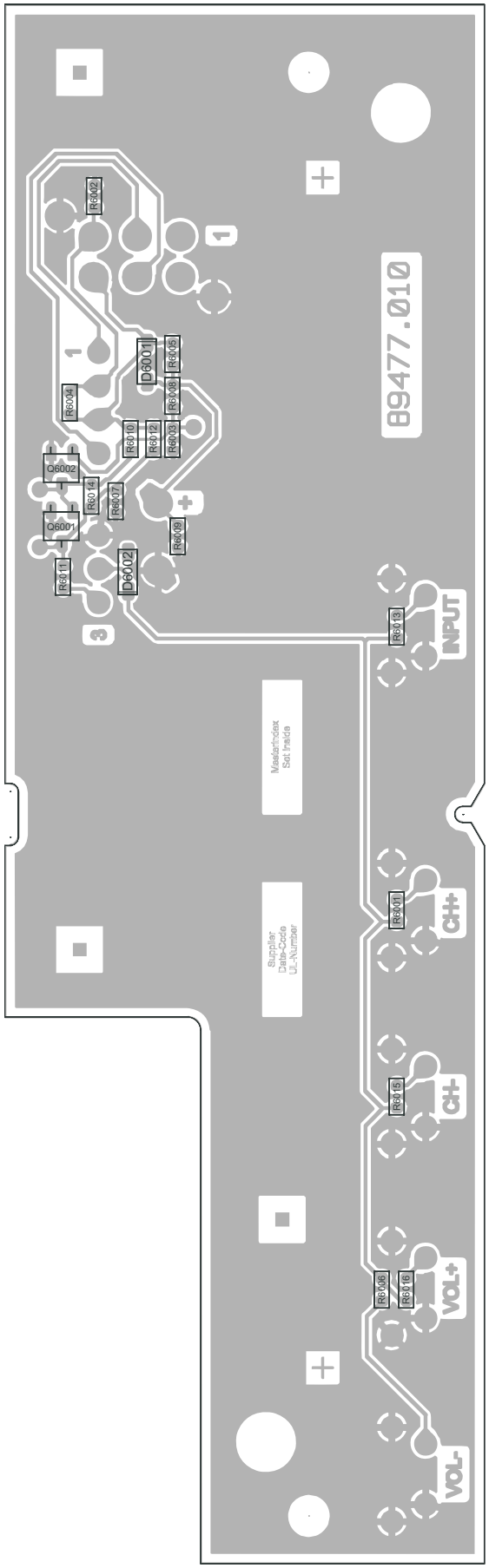


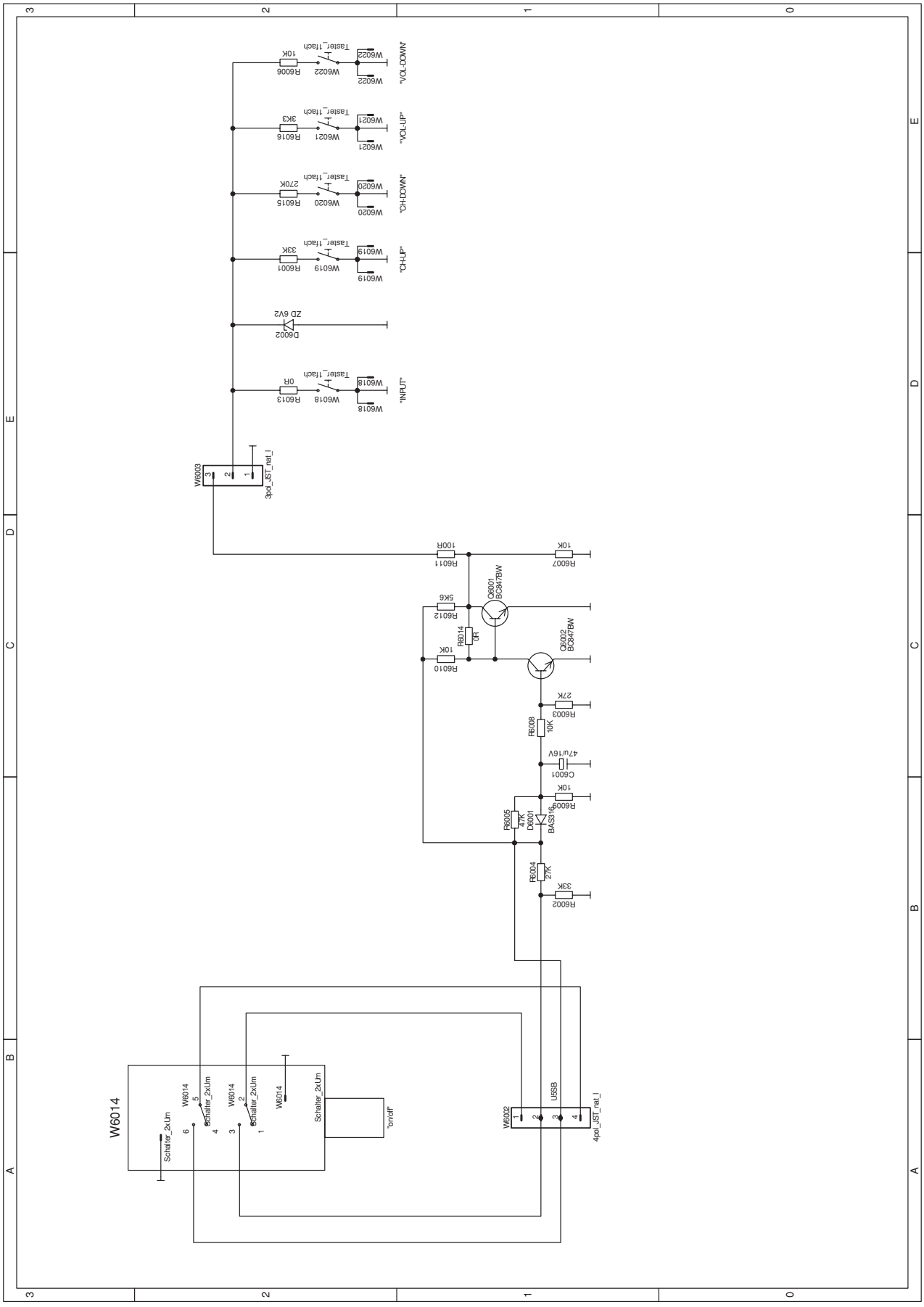
Control unit Sharp GD7E P.C.B 89477(0)

Components side

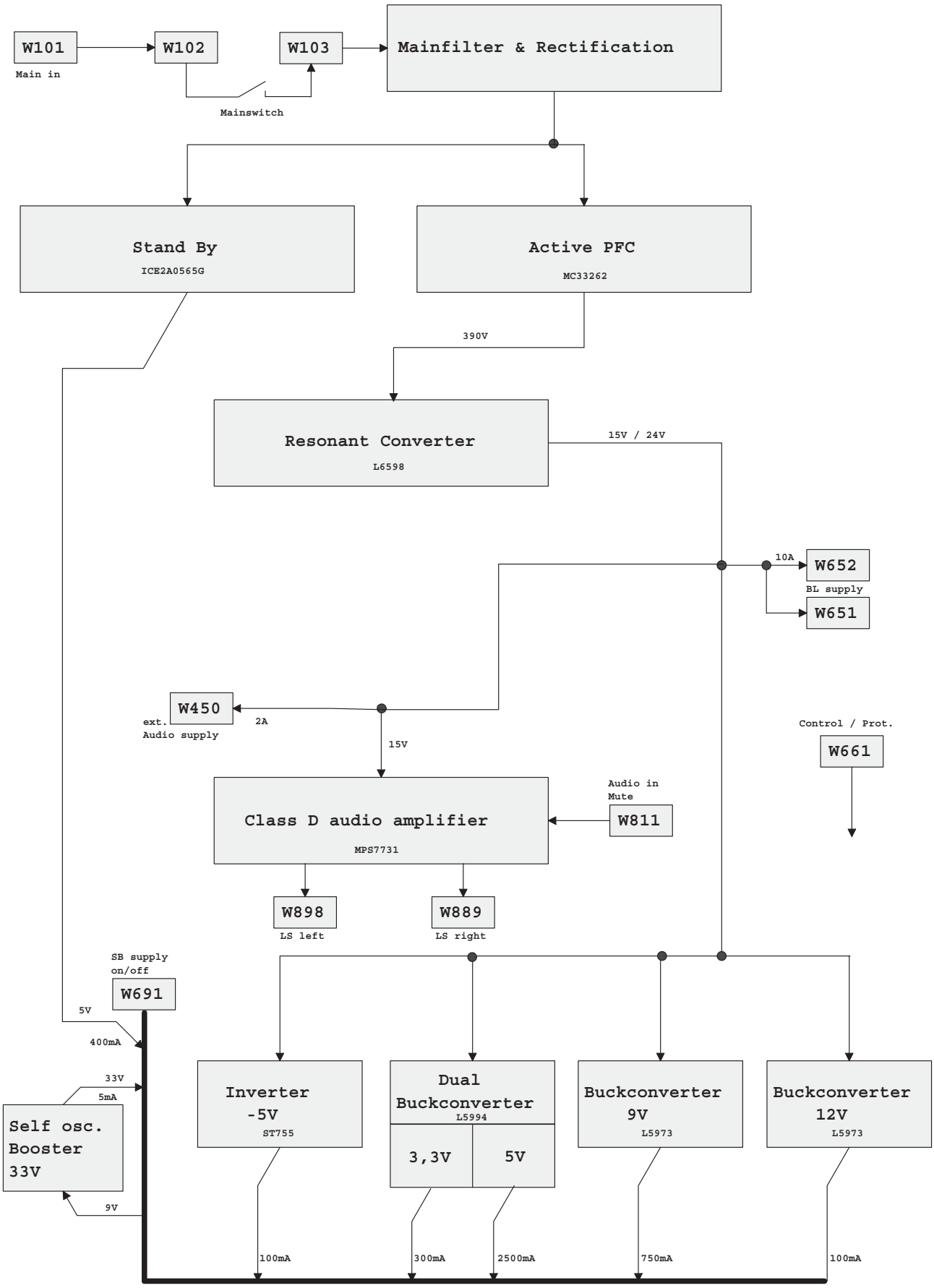


Solder side

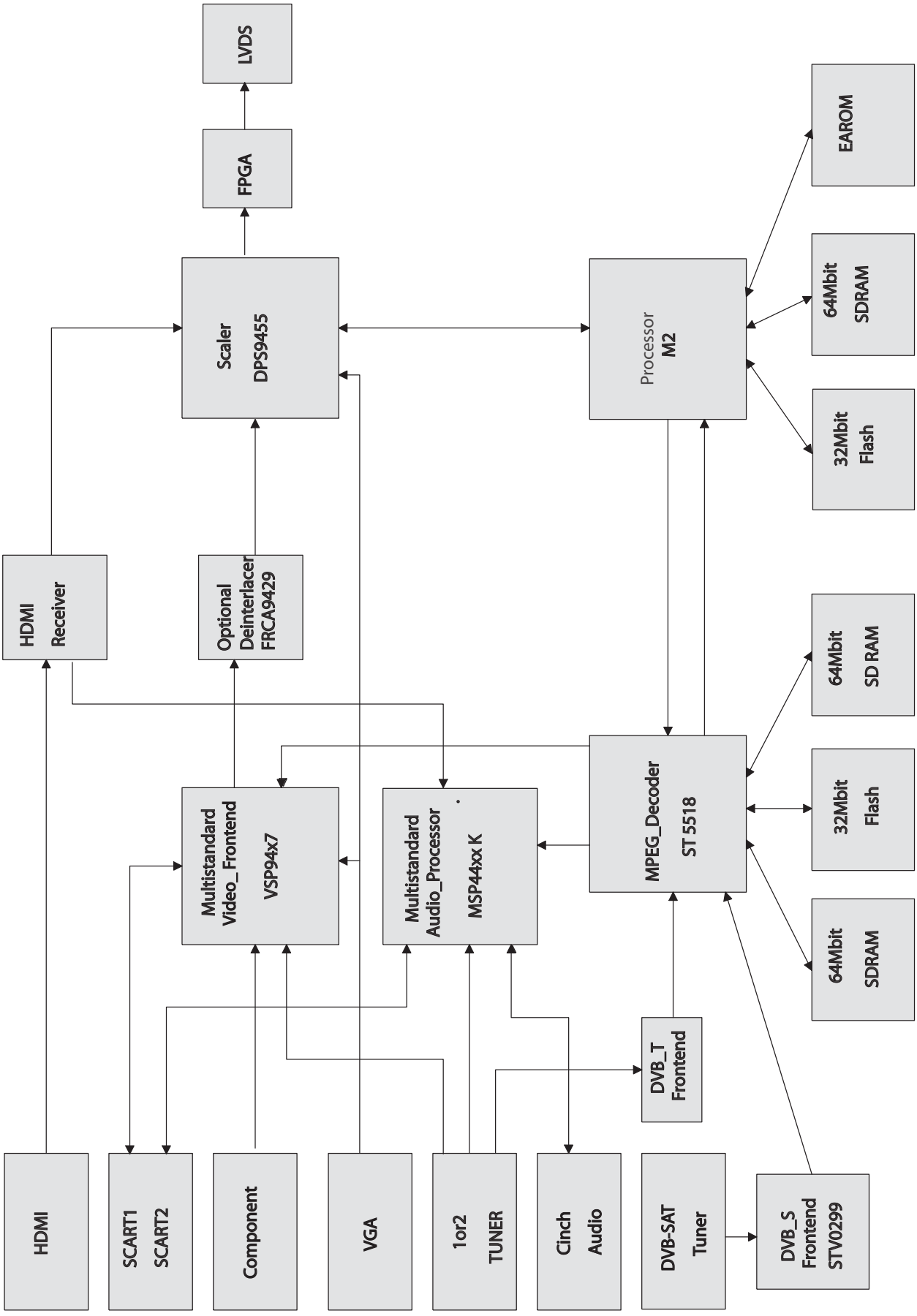



W6014
Schalter_2xUm
W6014
5
Schalter_2xUm
W6014
2
Schalter_2xUm
W6014
Schalter_2xUm
"on/off"
W6002
USB
4pol_JST_nat_I
R6005
47K
D6001
BAS316
R6009
10K
C6001
47u/16V
R6008
10K
R6003
27K
R6004
27K
R6002
33K
R6010
10K
R6014
0R
R6012
5K6
Q6001
BC847BW
Q6002
BC847BW
R6011
100R
R6007
10K
W6003
3pol_JST_nat_I
W6018
Taster_1fach
R6013
0R
"INPUT"
D6002
ZD 6V2
W6019
Taster_1fach
R6001
33K
"CH-UP"
W6020
Taster_1fach
R6015
270K
"CH-DOWN"
W6021
Taster_1fach
R6016
3K3
"VOL-UP"
W6022
Taster_1fach
R6006
10K
"VOL-DOWN"

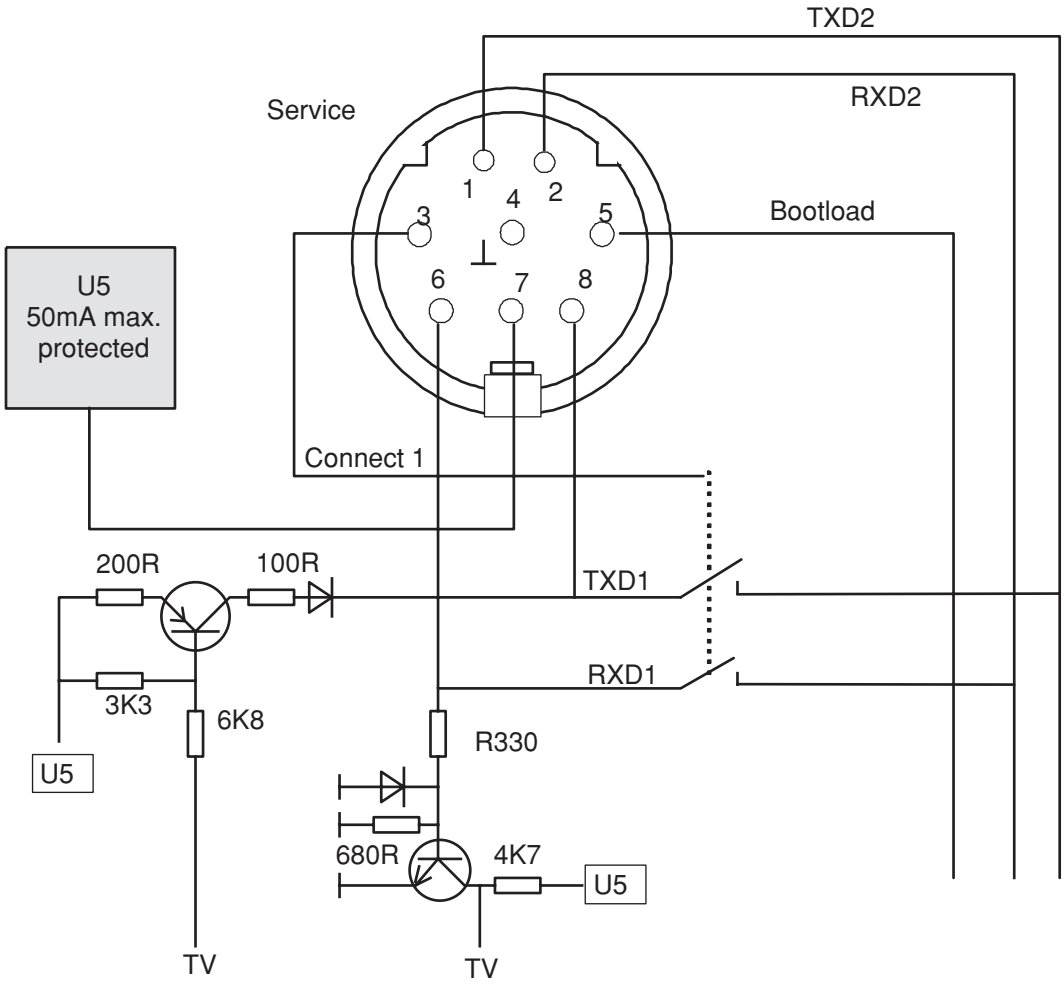
Block diagram basicboard



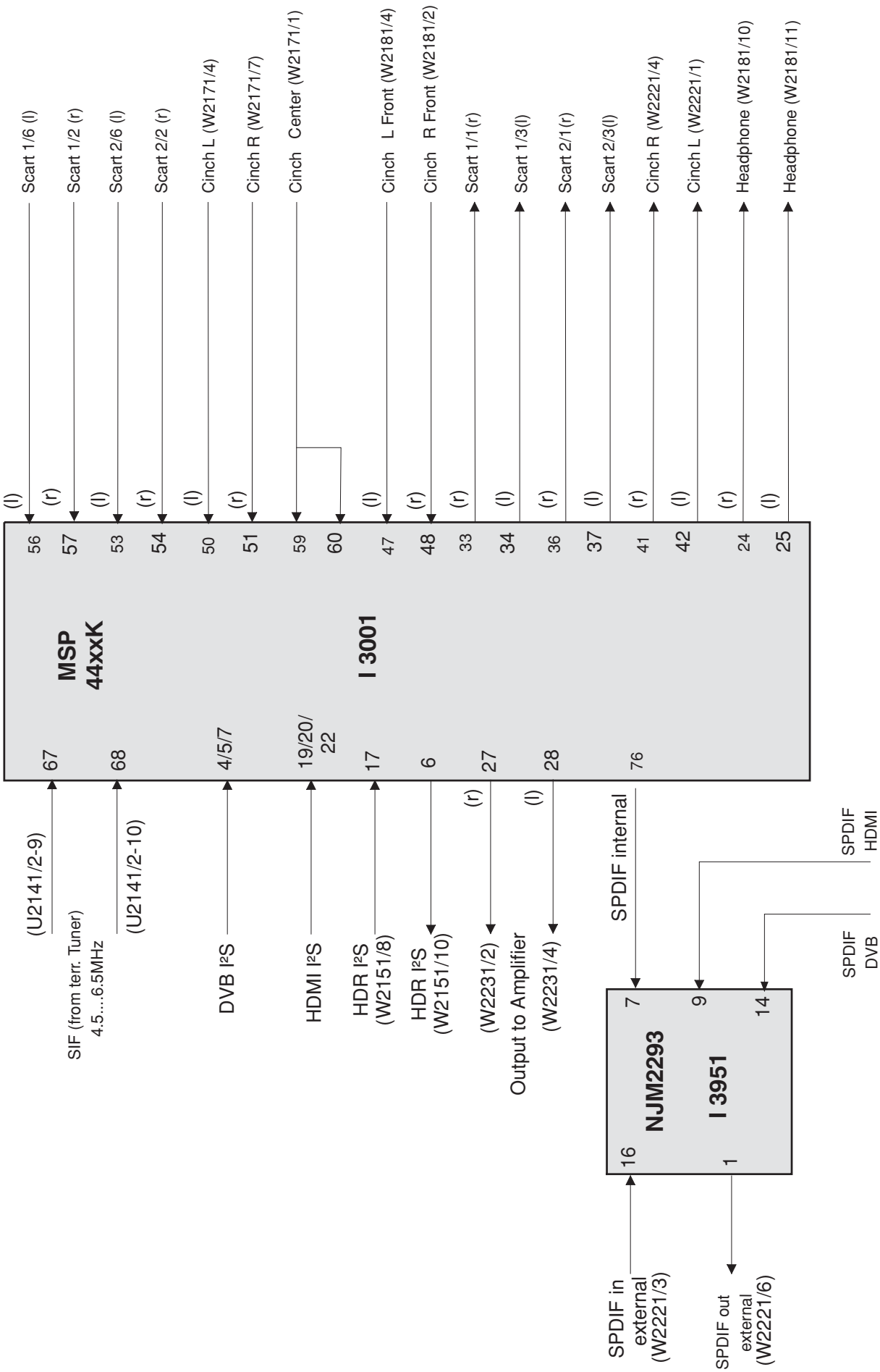
Block diagram signalboard



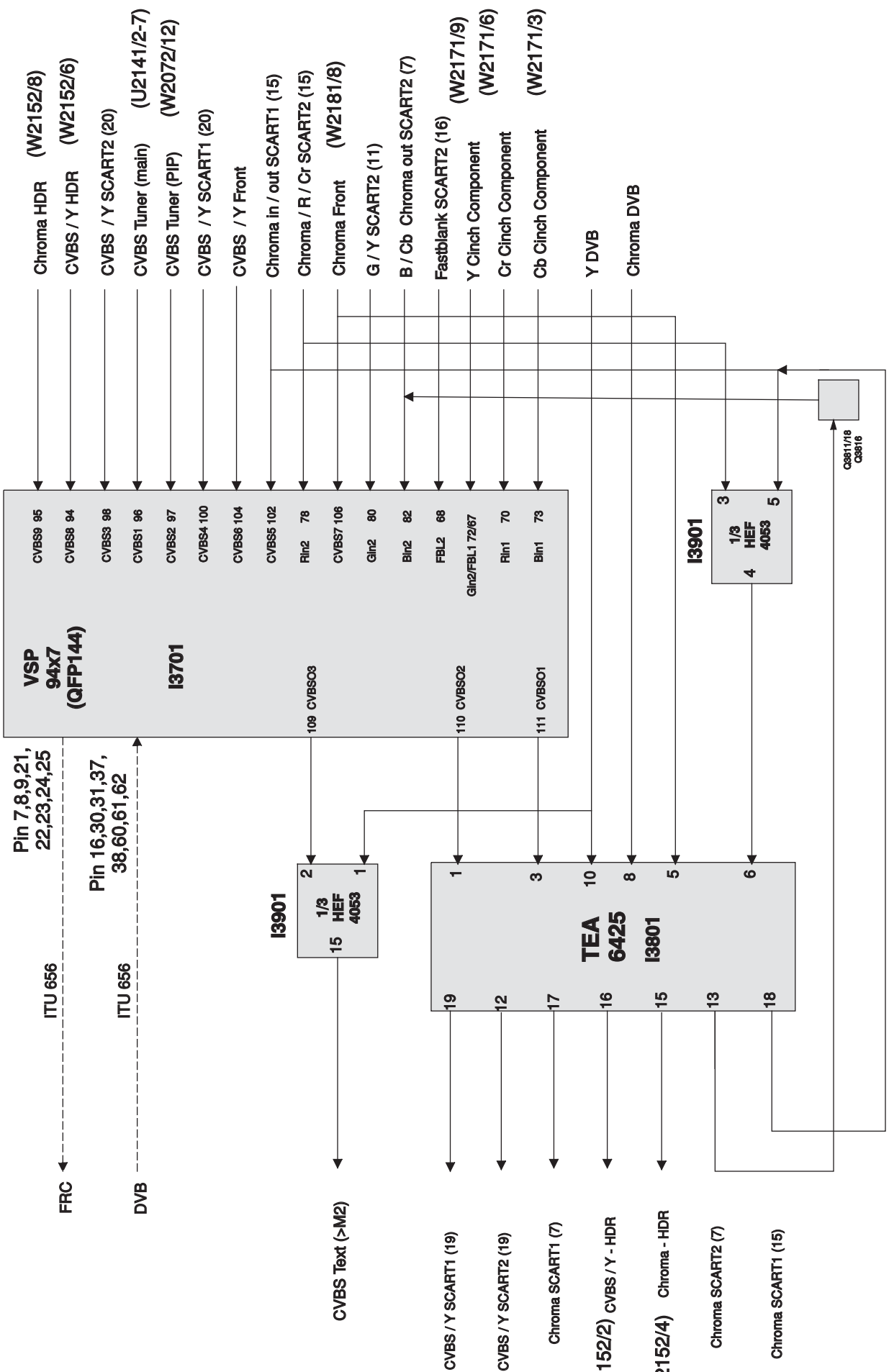
Service interface



Signal path audio



Signal path video



DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour bar signal of colour bar generator for service is input to get the normal screen. When the audio is minimized, the voltage value is measured with the 20 kΩ/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour density, lightness and colour hue are set to the center position, and the signal of colour bar generator for service is observed to get waveform.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted. (K=kΩ=1000 , M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are Carbon type, unless otherwise noted.
   Ⓒ: Solid Ⓦ : Cement
   Ⓢ: Oxide Film Ⓣ : Special
   Ⓝ: Metal Coating

CAPACITOR

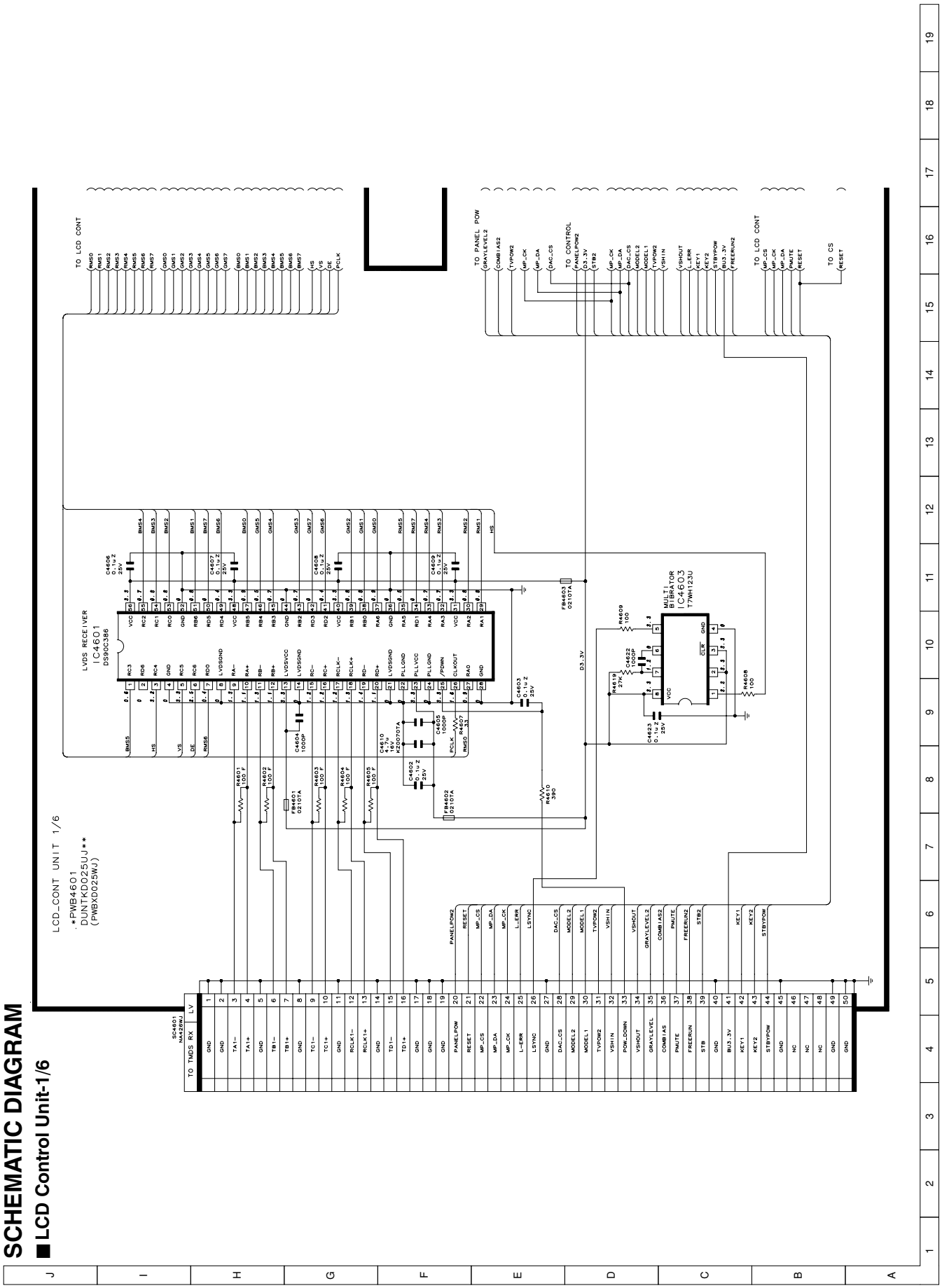
1. All capacitors are mF, unless otherwise noted. (P=pF=mmF).
2. All capacitors are Ceramic type, unless otherwise noted.
   (ML) : Mylar (TA) : Tantalum
   (PF) : Polypro Film (ST) : Styrol

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

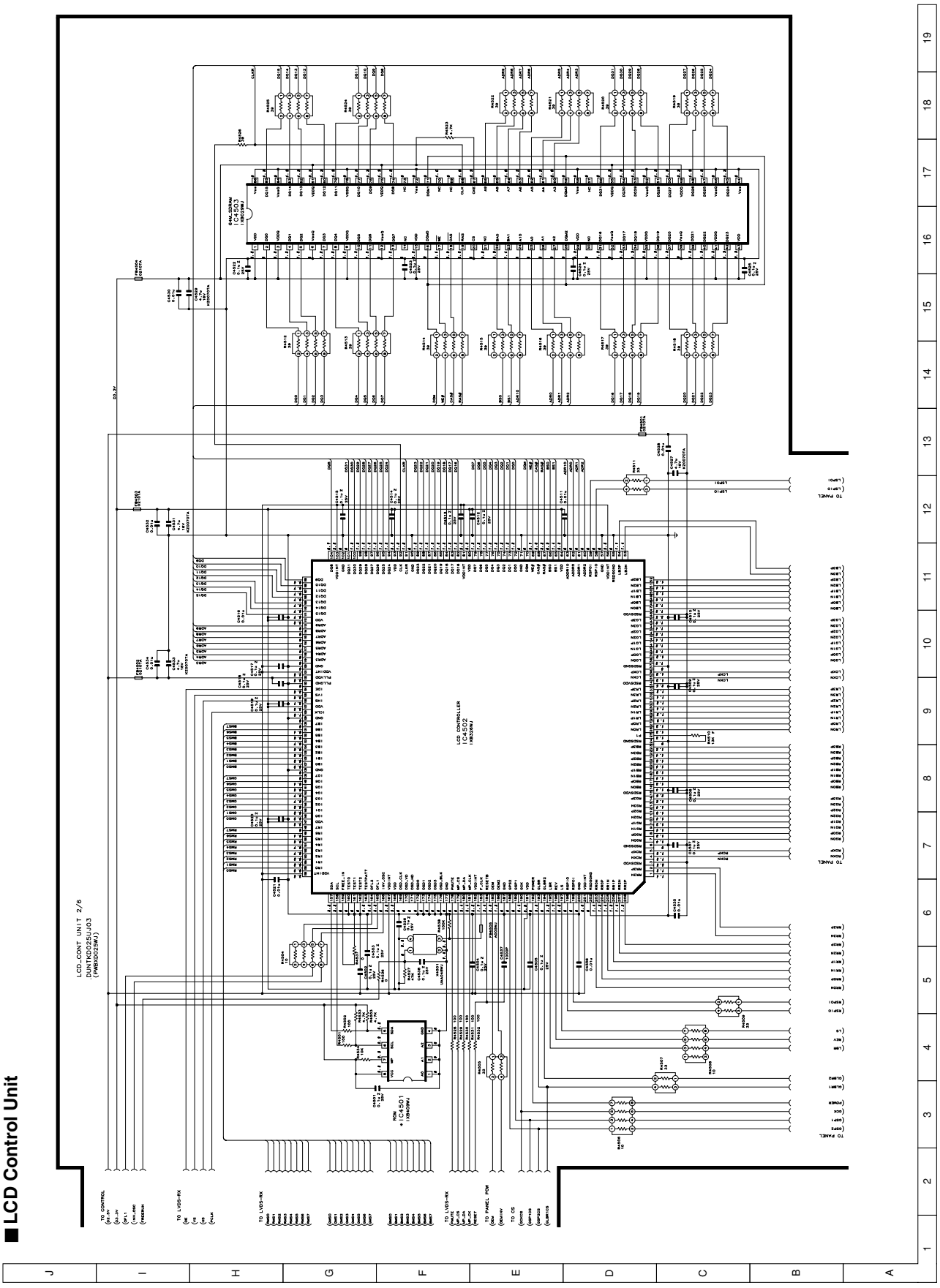
IMPORTANT SAFETY NOTICE:
PARTS MARKED WITH "⚠" ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

SCHEMATIC DIAGRAM

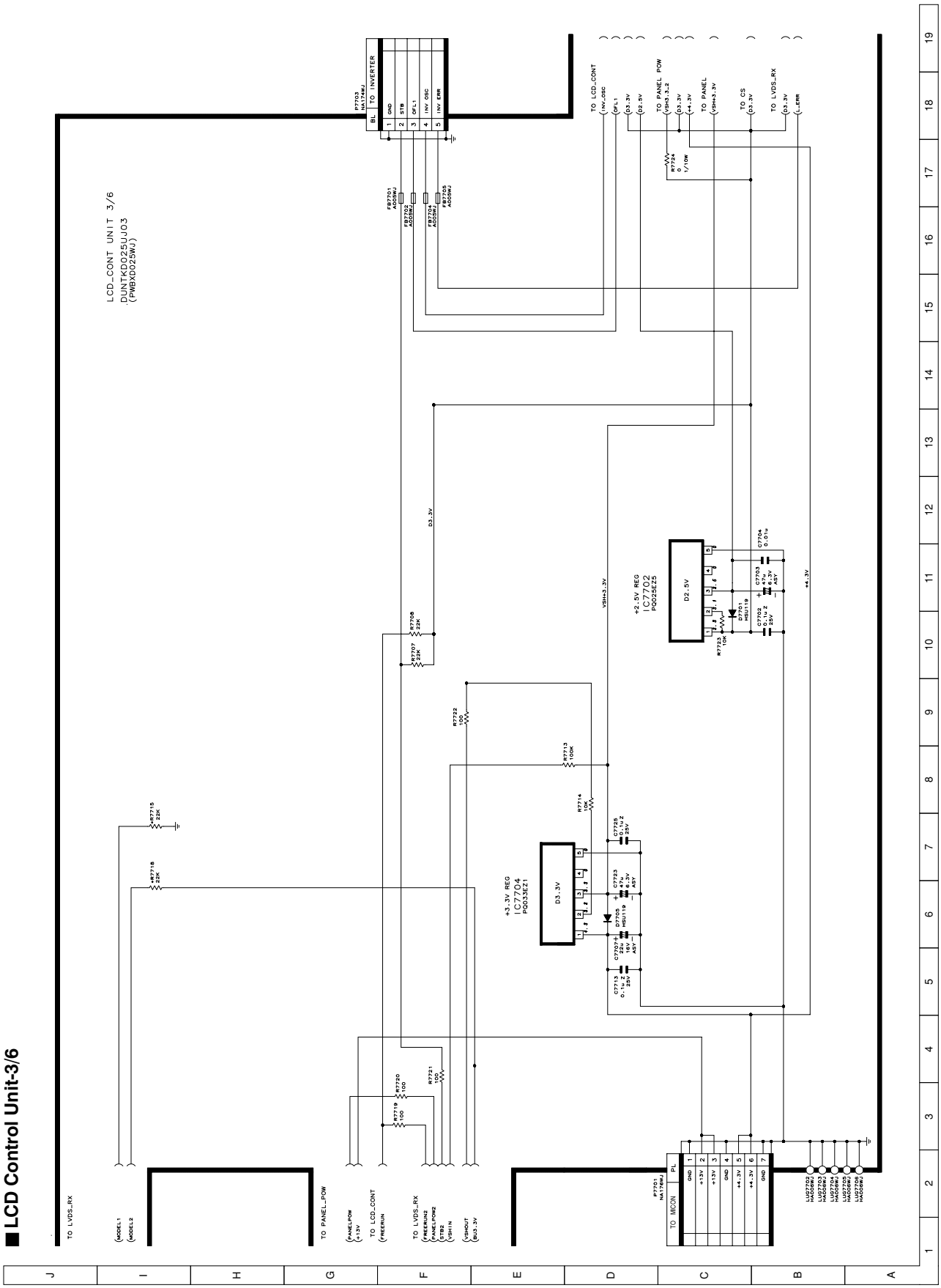
■ LCD Control Unit-1/6



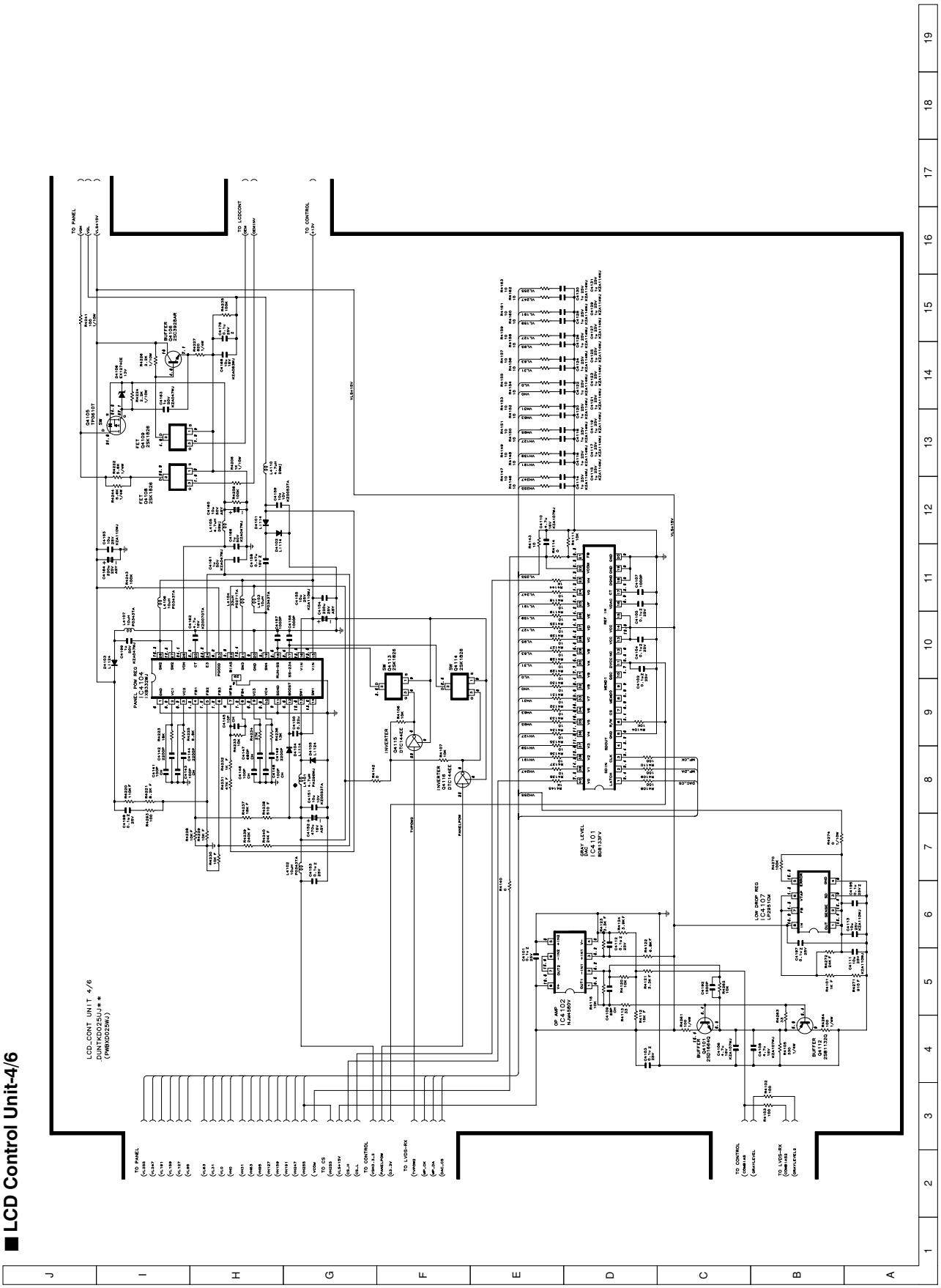
■ LCD Control Unit



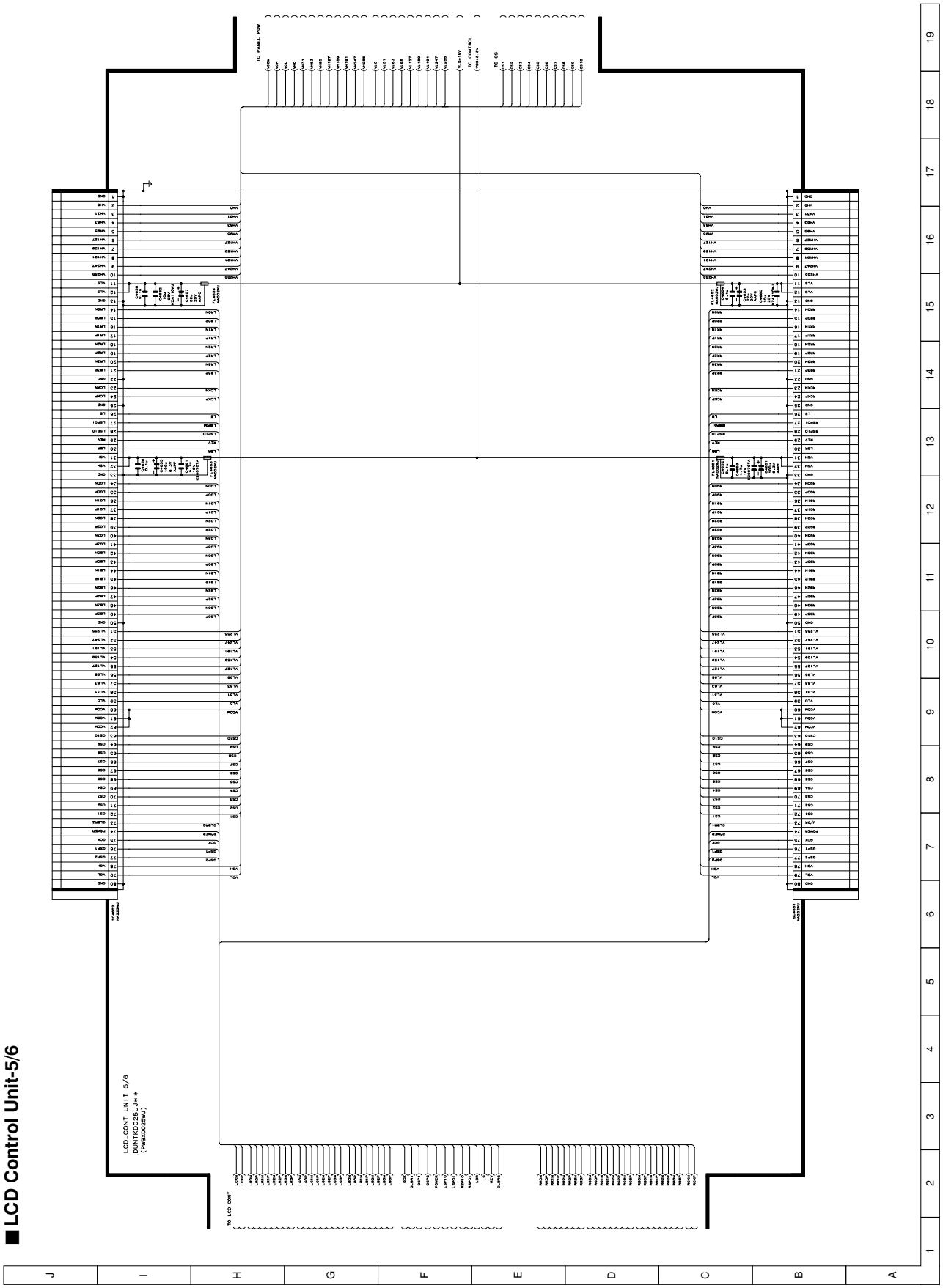
■ LCD Control Unit-3/6



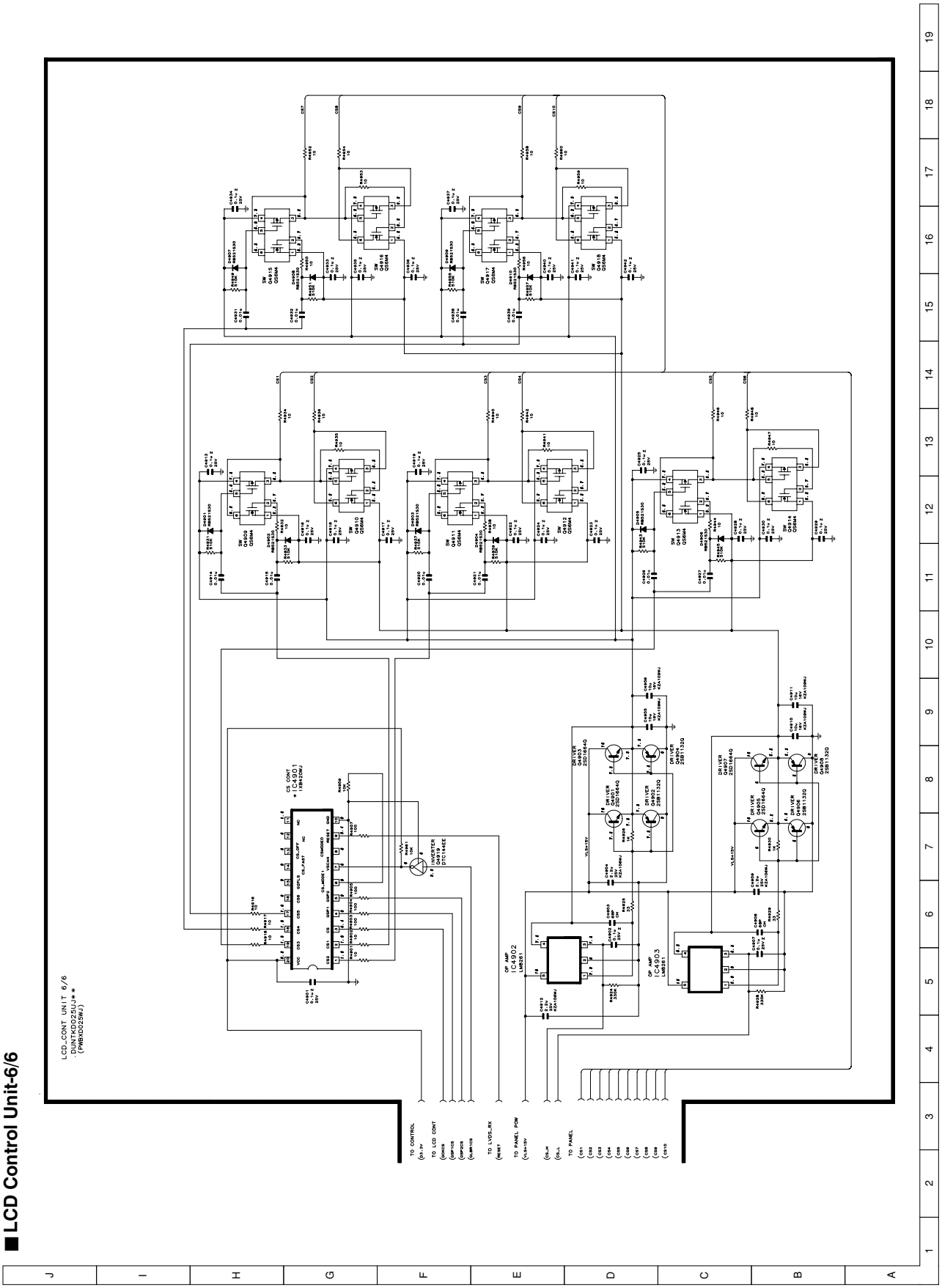
■ LCD Control Unit-4/6



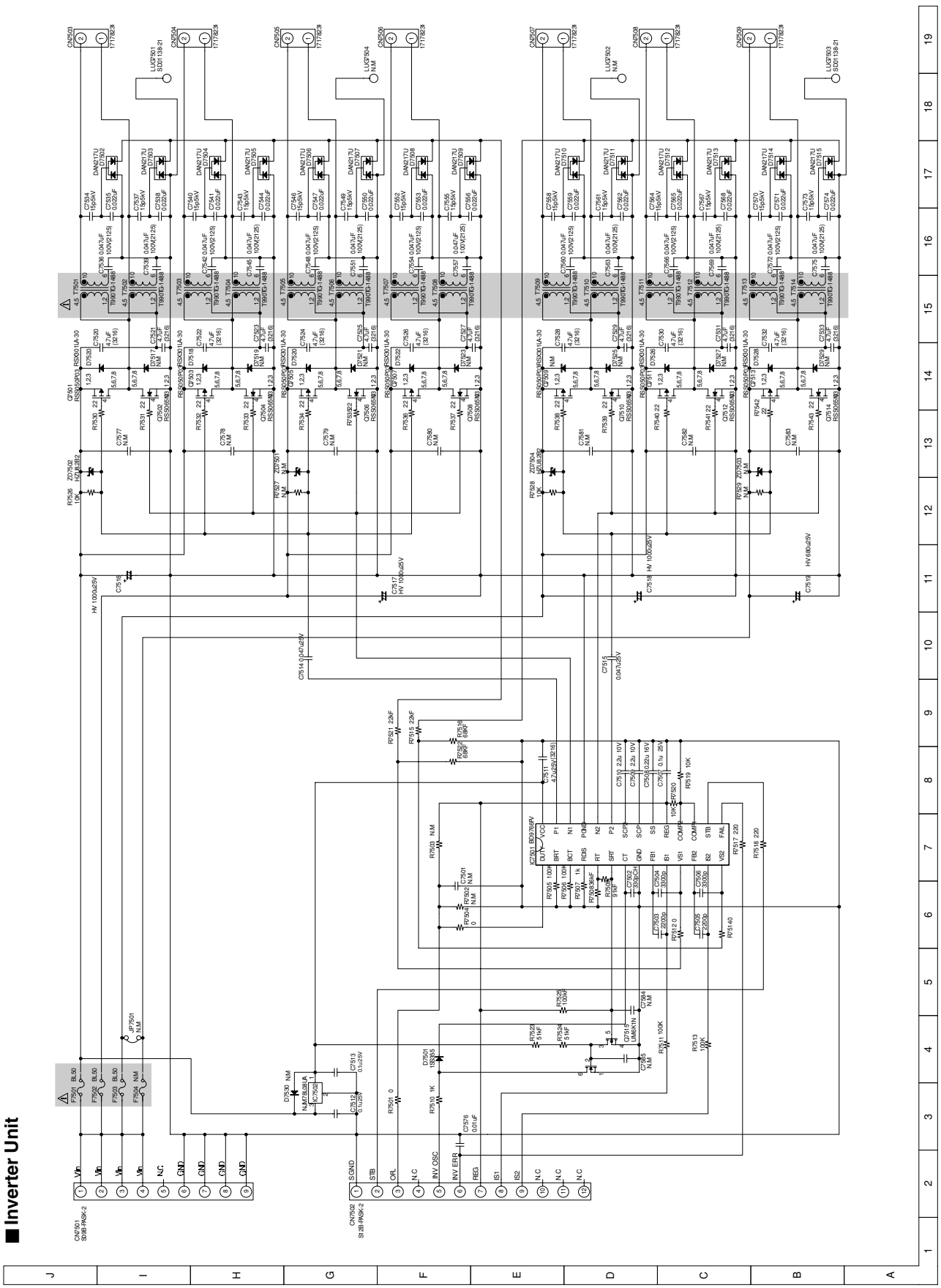
■LCD Control Unit-5/6



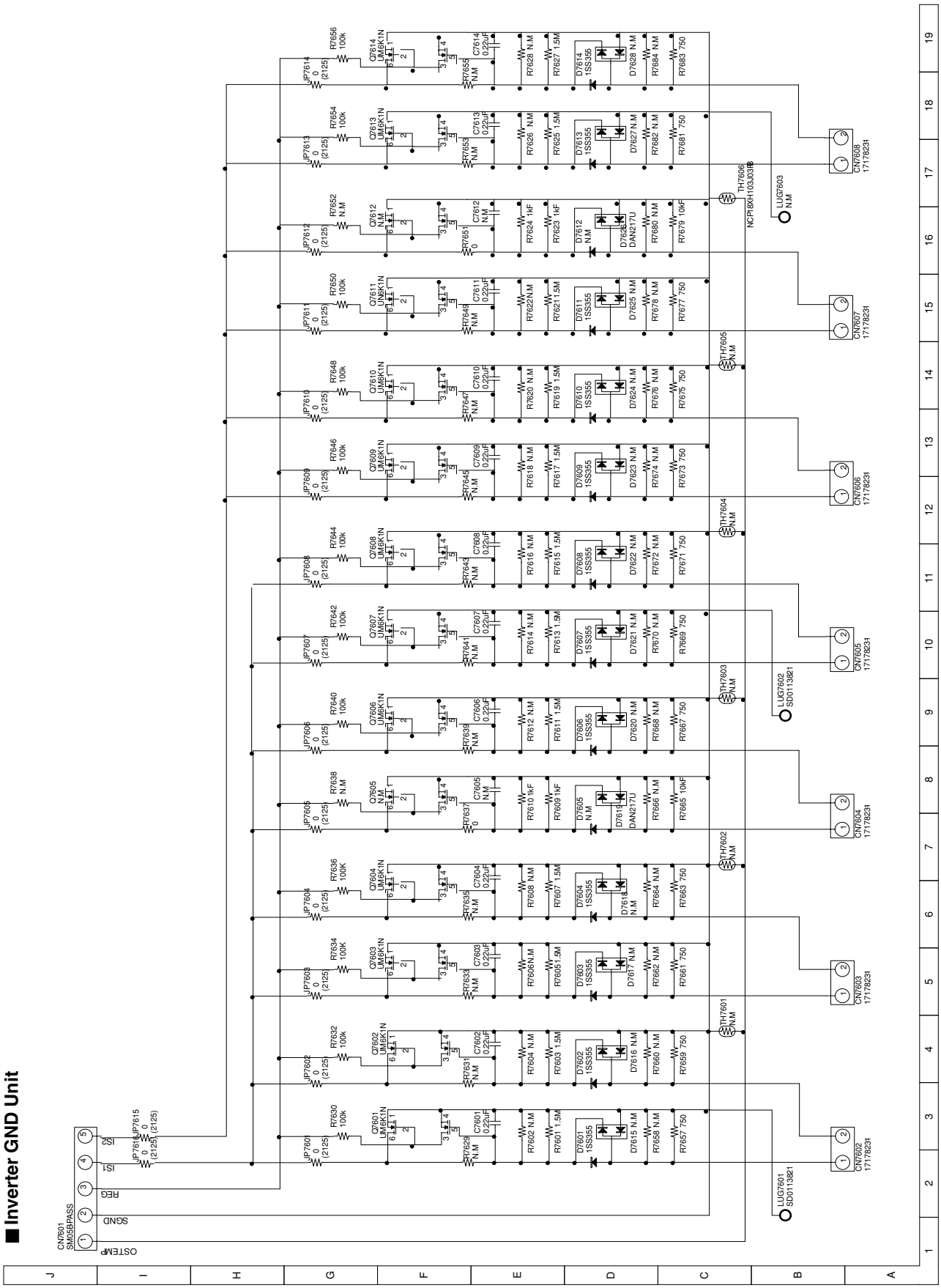
■ LCD Control Unit-6/6

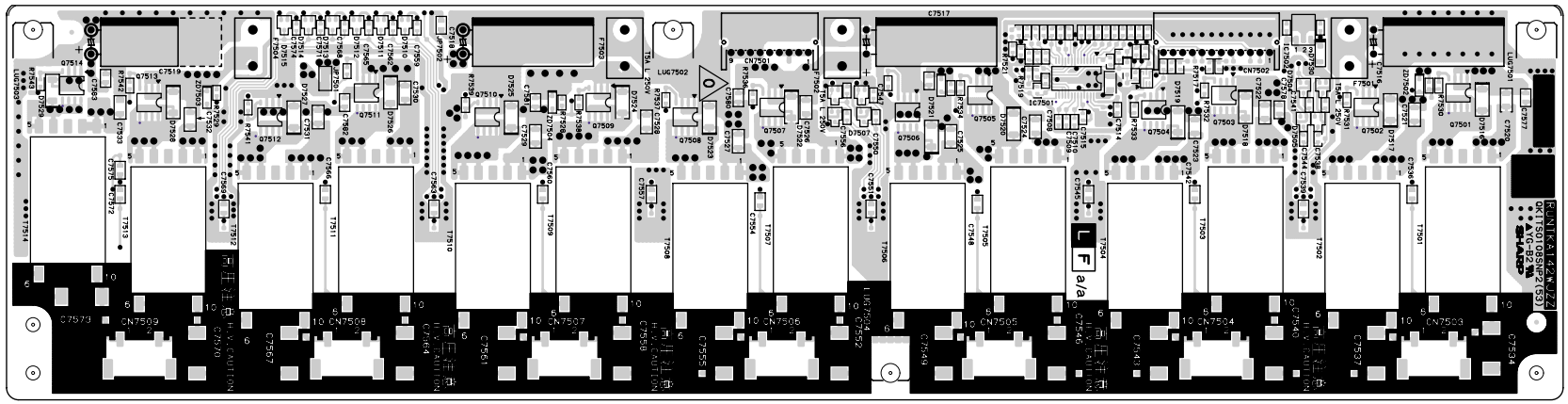


■ Inverter Unit

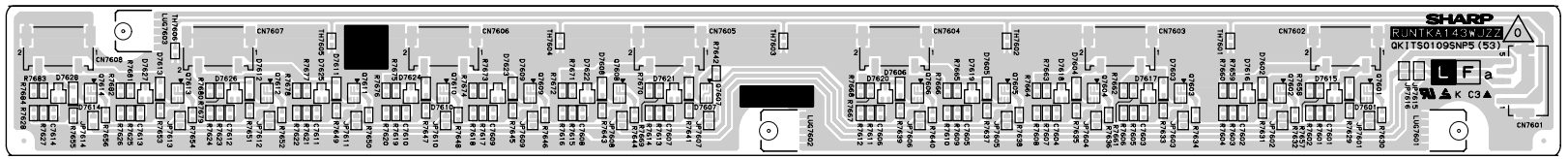


■ Inverter GND Unit





INVERTER Unit (Component Parts Side)



INVERTER GND Unit (Component Parts Side)